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PREFACE

This publication was prepared by personnel of the Sediment Survey Section, Water Survey of Canada Division, under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Dartmouth, Nova Scotia.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

Le groupe d'étude des sédiments de la Division des relevés hydrologiques du Canada, sous l'autorité du directeur des Ressources en eau du ministère de l'Environnement, à Ottawa, a préparé la présente publication.

Le chef régional de la Direction des ressources en eau, à Dartmouth (Nouvelle-Écosse), a supervisé la collecte et la compilation des données de base.

Nous remercions vivement les organismes provinciaux, ou autres, pour leur collaboration.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1985 calendar year the annual suspended sediment data and a historical data summary for the sediment survey investigations conducted in Newfoundland and Labrador, New Brunswick, Nova Scotia and Prince Edward Island by the Water Survey of Canada.

Data on the character and quantity of fluvial sediments provided by sediment survey investigations are intended for use in studies of water quality, environmental impacts, river processes and behaviour, and engineering design.

General introductory information on the sediment survey is included in this publication. Similar information for the associated hydrometric survey is given in the regular publications containing surface water data.

Details on individual stations and related records, as well as recent data that have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
4th Floor, Queen Square,
45 Alderney Drive,
Dartmouth, Nova Scotia.
B2Y 2N6

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

Dans la présente publication de la Direction des ressources en eau du ministère de l'Environnement, on trouvera les données annuelles sur les sédiments en suspension pour 1985 et le sommaire des données chronologiques sur les sédiments, à la suite des études effectuées dans les cours d'eau de Terre-Neuve et du Labrador, du Nouveau-Brunswick, de la Nouvelle-Écosse et de l'Île-du-Prince-Édouard par la Division des relevés hydrologiques du Canada.

charge solide dans les cours d'eau doivent servir aux études portant sur la qualité des eaux, les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.

La presente publication contient des renseignements généraux préliminaires sur les études des sédiments. Des renseignements semblables sur les études hydrométriques connexes sont contenus dans les publications régulières présentant des données sur les eaux de surface.

On peut obtenir des renseignements supplémentaires sur les stations et les relevés, ainsi que des données récentes non encore publiées, en s'adressant au:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice Queen Square, 4e étage
45, prom. Alderney
Dartmouth (Nouvelle-Écosse)
B2Y 2N6

ou au directeur des Ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

SCOPE OF PUBLICATION

Descriptive information about sediment stations is given. This refers to the Location, Latitude and Longitude, Drainage Area and whether the flow is Natural Flow or Regulated Flow (the year that regulation began is given, if known), Type of Gauge and the Total Suspended Sediment Load in Tonnes for the Period of Record is also included. International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions at the sediment station that could affect the data results are explained under "Remarks".

This publication contains data on streamflow, instantaneous suspended sediment concentration; daily mean suspended sediment concentration; daily suspended sediment loads; dissolved solids concentration; load summary; particle-size distribution of suspended sediment in percent sand, silt and clay; bed load and bed material; water temperature when samples were collected; type of sampler and the single sampling vertical location.

A historical sediment data summary includes such information as Sampled Concentration Maximum and Minimum; Suspended Sediment Load Maximum Daily and the Total for Period. The Period of Record and the Type of Operation for each year of data are also given. A Summary for the Months of record gives the Period of Record Mean, the Mean for Period of Record and the Standard Error of Mean as a percent.

HISTORY AND OBJECTIVES OF SEDIMENT SURVEYS IN CANADA

In Canada, investigations of sediment transported by streams were first undertaken by individual organizations or agencies in 1948, to meet the needs of federal and provincial agencies for assessment of particular projects. Although the investigations were extended to meet expanding needs after 1948, it was not until 1961 that a systematic survey was undertaken by the Water Resources Branch.

The sediment survey program has the following objectives:

(1) Collection and provision of data related to sediment transport in Canadian rivers for applications in water resource engineering, water quality and environmental studies.

(2) Provision of information and advice related to sediment transport.

(3) Assessment, improvement and standardization of equipment and techniques used in Canada's sediment survey program.

PORTÉE DE LA PUBLICATION

Des données descriptives sont présentées sur les stations d'étude des sédiments. Elles concernent leur emplacement, leurs latitude et longitude, leur bassin versant, la nature de débit (naturel ou régularisé, avec indication, le cas échéant, de l'année où la régularisation a commencé, si elle est connue), le type d'instrument de mesure employé et le débit total des sédiments en suspension (en tonnes) pour la période de relevé. Les stations internationales de jaugeage sont indiquées, ainsi que le nom des organismes qui fournissent les données. Des explications concernant des conditions exceptionnelles qui ont pu influer sur les résultats sont présentées dans la partie «Remarques».

Cette publication renferme des données sur le débit des cours d'eau, les concentrations instantanées de sédiments en suspension, les concentrations journalières moyennes de sédiments en suspension, les débits journaliers de sédiments en suspension, les concentrations de matières dissoutes, les débits solides totaux (résumés), la granulométrie des sédiments en suspension exprimée en pourcentage de sable, de limon et d'argile, le charriage et les matériaux du lit, la température de l'eau au moment de l'échantillonnage, le type d'échantillonneur employé et l'emplacement des verticales de prélèvement d'échantillons uniques.

Un résumé des données historiques sur les sédiments est inclus. On y trouve divers renseignements comme les concentrations maximale et minimale mesurées, le débit journalier maximal des sédiments en suspension et le total pour la période. La période de relevé et le type d'exploitation des stations sont indiqués pour chaque année. Dans un résumé pour les mois de relevé, on donne la moyenne pour chaque période et pour l'ensemble des périodes de relevé ainsi que l'erreur-type de la moyenne, en pourcentage.

HISTORIQUE ET OBJECTIFS DES ÉTUDES DES SÉDIMENTS AU CANADA

Au Canada, les études dans ce domaine ont débuté en 1948 en réponse aux besoins exprimés par certains organismes fédéraux et provinciaux pour l'évaluation de projets donnés et étaient le fait d'organismes privés. Bien que les études se soient poursuivies après 1948 pour satisfaire aux besoins accrus, ce n'est qu'en 1961 que la Direction des ressources en eau les a entreprises de façon systématique.

Les buts de ces études sont de:

(1) réunir et produire des données sur les transports solides dans les cours d'eau canadiens, données dont on peut avoir besoin pour des études concernant l'environnement, la qualité des eaux et la conception de projets portant sur les ressources en eau.

(2) produire des informations concernant les transports solides.

(3) évaluer, améliorer et uniformiser le matériel et les techniques employés dans le programme d'étude des sédiments au Canada.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Sediment data have been published in a variety of formats since the beginning of the Sediment Survey Program.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

Commencing with 1984, the *Sediment Data* were published in a new format wherein Canada was divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis le début du programme d'étude des sédiments, la présentation des données a varié.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

En 1984, la présentation des *Données sur les sédiments* a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

COLLECTION AND PROCESSING OF BASIC DATA

1. *Equipment and Instrumentation*

The sediment survey program of the Water Resources Branch is conducted in cross sections on rivers selected specifically for the sediment survey or for the hydrometric survey. Certain cross sections are located at traffic bridges, while others are equipped with cableways, or automatic pump samplers.

The following sediment sampl have been used in the sediment survey program:

(a) Depth-integrating suspended sediment wading-type hand sampler, USDH-48, used on small streams or during winter periods.

(b) Depth-integrating suspended sediment sampler, USDH-59, used as a handline suspension for small and medium size streams.

(c) Depth-integrating suspended sediment samplers, USD-49, and USD-74, used on a reel suspension for medium and large streams whose depths are less than five metres.

(d) Point-integrating suspended sediment samplers, USP-61, USP-61-A1, USP-63, and USP-72, used for point-integrating sampling, or depth-integrating sampling if the depth is over five metres, or in a cross section with velocities up to two metres per second.

(e) Automatic pump sampler is an automatic pumping system permitting unattended collecting and bottling of individual water samples pumped from a fixed point in a stream. This sampler is normally installed at isolated locations where otherwise no data would be available during ice break-up or peak periods.

(f) Bed material sampler, USBM-54, used on large or deep streams or on those streams with hard-packed streambeds.

(g) Bed material sampler, USBMH-60, used on some large or deep streams or on those streams with soft-packed streambeds.

(h) Bed material sampler, USBMH-53, used on some small or shallow streams.

(i) Lane bed material sampler, a drag-type sampler used on small streams or those with soft streambeds.

2. *Hydrometric Surveys*

The hydrometric survey includes the standard procedures for observations of water levels, streamflow measurements, water surface slope determinations if required, and observations of water temperature. The streamflow measurements are made in conjunction with the sediment load measurements and conform to the accepted standards of the regular hydrometric survey.

3. *Sediment Sampling Program*

The following is a summary of the elements associated with the Sediment Sampling Program:

(a) Periodic measurement of suspended sediment load by the

COLLECTE ET TRAITEMENT DES DONNÉES DE BASE

1. *Matériel*

L'étude des sédiments réalisée par la Direction des ressources en eau porte sur des sections transversales de cours d'eau choisis spécialement à cette fin ou pour les relevés hydrométriques. Certaines sections sont situées sous un pont, d'autres sont accessibles par téléphérique, ou sont étudiées à l'aide d'un échantillonneur sous pression.

On a utilisé les échantillonneurs suivants:

(a) L'échantillonneur intégrateur selon la profondeur, type simple, USDH-48, employé dans les cours d'eau peu profonds ou en hiver;

(b) L'échantillonneur intégrateur selon la profondeur USDH-59, utilisé comme une ligne dans les cours d'eau petits et moyens;

(c) Les échantillonneurs intégrateurs selon la profondeur USD-49 et USD-74 fixés au bout d'une corde s'enroulant autour d'un moulinet et employés dans les cours d'eau gros ou moyens dont la profondeur est inférieure à cinq mètres;

(d) Les échantillonneurs intégrateurs USP-61, USP-61-A1, USP-63 et USP-72, employés ponctuellement ou sur toute la verticale, et utilisés lorsque la profondeur est supérieure à cinq mètres ou dans les sections transversales qui connaissent un débit qui atteint 2 m/s.

(e) Un échantillonneur automatique permettant le prélèvement en bouteilles, sans surveillance, d'échantillons uniques d'eau obtenus à l'aide d'une pompe en un point précis d'un cours d'eau; il est ordinairement installé dans un endroit isolé où aucune donnée ne pourrait être obtenue autrement au cours de la débâcle ou des périodes de débit de pointe;

(f) L'échantillonneur USBM-54 employé pour le prélèvement d'échantillons des matériaux du lit dans les cours d'eau importants ou profonds ou dans les cours d'eau dont le fond est dur;

(g) L'échantillonneur USBMH-60 employé pour le prélèvement d'échantillons des matériaux du lit dans certains cours d'eau importants ou profonds, ou dans les cours d'eau dont le fond est meuble;

(h) L'échantillonneur USBMH-53 employé pour le prélèvement d'échantillons des matériaux du lit dans certains cours d'eau petits ou peu profonds;

(i) La drague employée pour le prélèvement d'échantillons des matériaux du lit dans de petits cours d'eau ou dans des cours d'eau dont le fond est meuble.

2. *Relevés hydrométriques*

Le relevé hydrométrique comprend, entre autres, l'observation de la hauteur des eaux, la mesure du débit de l'eau, la détermination de la pente de la ligne d'eau, si nécessaire, ainsi que l'observation de la température de l'eau. Les mesures du débit de l'eau et du débit des sédiments se font conjointement, suivant les méthodes acceptées.

3. *Échantillonnage des sédiments des cours d'eau*

L'échantillonnage comporte, en gros, les éléments suivants:

(a) La mesure périodique du débit des sédiments en suspension par la méthode d'intégration sur toute la profondeur

depth-integrating method for determining the average suspended sediment concentration in the cross section.

(b) Single suspended sediment samples at a selected vertical for determining the sediment concentration for the days when suspended sediment load measurements are not taken.

(c) Limited measurement of suspended sediment load by the point-integrating method for checking depth-integrated measurements and for determining particle-size distribution in the cross section.

(d) Sampling of bed material for determining particle-size distribution.

(e) Periodic measurement of bed load.

The following is a brief explanation of the elements listed above:

(a) *Suspended Sediment Load by Depth-Integrating Method*: Measurements are made by the depth-integrating method to determine the suspended sediment load in the entire cross section of a stream, the average suspended sediment concentration in the cross section, and the size distribution of the sediment particles. It is known that the concentration of suspended sediment tends to increase from the water surface to the streambed and could vary from streambank to streambank.

When making suspended sediment equal-discharge-increment (EDI) measurements, the stream cross section is divided into at least five equal-flow panels and a representative suspended sediment sample is collected from each portion. For each panel of the cross section, the suspended sediment load (r) may then be computed by multiplying the flow (q) by the suspended sediment concentration (c):

$$r = q\ c$$

The suspended sediment load (R) for the cross section may be computed by adding the sediment loads for the five equal-flow panels:

$$R = r\ n = q_1c_1 + q_2c_2 + \ldots + q_nc_n$$

The depth-integrating method of sampling is used to measure the suspended sediment concentration. This method is based on the premise that the sampler fills at a rate proportional to the velocity of the approaching flow, and that by traversing the depth of a stream at a uniform speed, the sampler will receive a portion of water sediment mixture at every point in the vertical.

(b) *Single Suspended Sediment Samples at a Selected Vertical*: Single suspended sediment samples, consisting of two bottles each, are collected routinely using the depth or point-integrating samplers at a permanently fixed vertical in a cross section. During periods of very heavy sediment concentration, two or three single sediment samples may be taken per day, while during periods of low concentration, one single sediment sample may only be taken every few days. During extremely low flow periods, the sampling may be limited to one single sample in several weeks or months.

(c) *Suspended Sediment Load by Point-Integrating Method*: A limited number of suspended sediment load measurements are made by the point-integrating method. These measurements are included in the program (a) to check by comparison the "measured" sediment loads obtained by the depth-integrating method with the suspended sediment loads by the point-integrating method and (b) to obtain samples from which to determine particle-size distribution

pour la détermination de la concentration moyenne dans une section transversale;

(b) Le prélèvement d'échantillons uniques des sédiments en suspension selon une verticale choisie, afin de determiner la concentration des sédiments les journées où le débit des sédiments en suspension n'est pas mesuré;

(c) Un nombre restreint de mesures du débit des sédiments en suspension avec intégration en un point précis d'un cours d'eau, afin de vérifier les résultats des mesures avec intégration selon la profondeur et afin de déterminer la granulométrie des particules de sédiments dans une section transversale d'un cours d'eau;

(d) L'échantillonnage des matériaux du lit afin d'en déterminer la granulométrie;

(e) La mesure périodique du charriage.

Voici une brève description des éléments susmentionnés.

(a) *Mesure du débit des sédiments en suspension par intégration selon la profondeur*: La méthode permet de déterminer le débit des sédiments en suspension traversant toute une section transversale d'un cours d'eau, la concentration moyenne des sédiments en suspension dans la section transversale et la granulométrie des sédiments en suspension. C'est un fait connu que la concentration des sédiments en suspension augmente généralement avec la profondeur et qu'elle peut varier d'une rive à l'autre d'un cours d'eau.

Avec la méthode d'incréments de débits égaux (IDE), la mesure du débit des sédiments en suspension se fait en divisant une section transversale d'un cours d'eau en au moins cinq tranches où le débit est égal et en prélevant un échantillon représentatif dans chacune d'elles. Le débit des sédiments en suspension (r) pour chaque tranche se calcule en multipliant le débit (q) par la concentration des sédiments en suspension (c):

$$r = q\ c$$

Le débit des sédiments en suspension (R) pour la section transversale est la somme des débits des sédiments des cinq tranches:

$$R = r\ n = q_1c_1 + q_2c_2 + \ldots + q_nc_n$$

La méthode par intégration sur toute la profondeur est employée pour mesurer la concentration des sédiments en suspension. Elle suppose que l'échantillonneur se remplit à un rythme proportionnel au débit de l'eau et qu'en étant déplacé à une vitesse uniforme sur toute la verticale, il reçoit une partie du mélange eau-sédiments à tous les points de celle-ci.

(b) *Prélèvement d'échantillons uniques de sédiments en suspension sur une verticale choisie*: De tels échantillons, constitués chacun de deux bouteilles, sont prélevés régulièrement à l'aide d'appareils intégrateurs, selon la profondeur ou ponctuels, sur une verticale permanente d'une section transversale. Lorsque la concentration des sédiments est très forte, deux ou trois échantillonnages peuvent être effectués chaque jour, alors qu'un seul échantillon peut être prélevé à quelques jours d'intervalle lorsqu'elle est faible. Au cours des périodes où le débit est extrêmement faible, l'échantillonnage peut être limité à un échantillon toutes les quelques semaine ou tous les quelques mois.

(c) *Mesure du débit des sédiments en suspension par la méthode ponctuelle*: Un nombre limité de mesures du débit des sédiments en suspension sont faites avec cette méthode. On y a recours a) pour vérifier les valeurs du débit mesurées au moyen de la méthode précédente et b) pour obtenir des échantillons en vue de déterminer la granulométrie des sédiments en divers points de la

at different points in the cross section. The point-integrating sediment loads are computed by graphical methods.

The relationship between the suspended sediment concentration of the single vertical samples and the average concentration in the cross section determined from the suspended sediment load measurements is established for some stations. Using this relationship, the sediment concentrations of the single vertical samples are adjusted to reflect the average suspended sediment concentration in the cross section. These average sediment concentrations in the cross sections are plotted, and a smooth curve is drawn through the points to obtain a concentration graph. This graph represents the average suspended sediment concentration for the period of record. The daily mean concentrations are determined by automated procedures using a digitizer interfaced with a Digital minicomputer.

The daily suspended sediment loads are computed on the basis of stream discharges and the collected suspended sediment concentrations. The daily suspended sediment loads are expressed in tonnes per day and are obtained by multiplying the daily mean sediment concentration (mg/L), by the daily mean discharge (m^3/s), and the conversion factor, 0.0864.

(d) *Bed Material Sampling*: In a cross section, bed material samples are usually taken in the same sampling verticals as the suspended sediment samples. Often, additional bed material samples are collected at the water edge, the extreme water level or at other points in the cross section. The total number of bed material samples taken in a cross section usually varies between five and nine.

(e) *Bed Load Measurement*: There are several methods available for measurement of bed load (volumetric method, measurement by samplers, method of tracers, method of constricted cross section, study of sound waves, etc.). The measurement methods should be selected in accordance with river regime.

4. *Total Sediment Load*

Sediment transport may be divided into two categories: sediment maintained in suspension in the stream (suspended load), and sediment being carried along the streambed (bed load). To measure the total sediment load, each of these must be measured separately and then totalled. The total sediment load was not computed for this publication.

5. *Sediment Survey Laboratories*

The Water Resources Branch maintain sediment survey laboratories in New Westminster, British Columbia; Regina, Saskatchewan; Guelph, Ontario; and Moncton, New Brunswick. The laboratories are equipped to perform the following analyses:

(a) determination of sediment concentration by (1) filtration method, (2) evaporation method and (3) determination of total dissolved solids by evaporation method.
(b) particle-size distribution analysis by (1) bottom withdrawal tube method, (2) sieving and (3) hydrometer method.

Determination of the sediment concentration by the evaporation method is carried out by evaporating the water from the settled sediment sample, with the results being corrected for dissolved solids. The quantity of dissolved solids is determined by evaporating a portion of the decanted water of a sample. In the filtration method, the suspended sediment concentration of water samples is determined by utilizing Gooch crucibles with a Reeve Angel 934AH filter and a Millipore AP20 prefilter and a vacuum system.

section transversale. Cette méthode fait appel à des graphiques pour le calcul du débit des sédiments.

Le rapport entre la concentration des sédiments en suspension dans les échantillons prélevés sur une seule verticale et la concentration moyenne dans la section transversale, telle que déterminée à partir des mesures du débit des sédiments en suspension, est établi pour quelques stations. Il permet de corriger les concentrations mesurées à une seule verticale de manière à donner la concentration moyenne dans la section transversale. Les concentrations moyennes ainsi déterminées sont reportées sur un graphique, et une courbe lisse passant par les points marqués est tracée. Le graphique obtenu représente la concentration moyenne des sédiments en suspension pour la période de relevé. Les concentrations moyennes quotidiennes sont déterminées automatiquement à l'aide d'un convertisseur analogique-numérique relié à un mini-ordinateur numérique.

Les valeurs journalières du débit des sédiments en suspension sont calculées à partir du débit du cours d'eau et des concentrations des sédiments en suspension recueillis. Elles sont exprimées en tonnes par jour. On les détermine en multipliant la concentration moyenne journalière des sédiments (mg/L) par le débit moyen journalier (m^3/s) et par un facteur de conversion approprié, 0.0864.

(d) *Échantillonnage des matériaux du lit*: Dans une section transversale, les échantillons des matériaux du lit sont ordinairement prélevés aux mêmes verticales que ceux des sédiments en suspension. Souvent, des échantillons supplémentaires sont pris près des rives, là où le niveau d'eau est extrême et à d'autres points de la section transversale. Leur nombre total pour une section donnée varie ordinairement entre cinq et neuf.

(e) *Mesure du charriage*: La mesure peut se faire par plusieurs méthodes (méthode volumétrique, mesure à l'aide d'échantillonneurs, méthode des traceurs, méthode de la section transversale rétrécie, étude des ondes sonores, etc.). Le choix se fondera sur la nature du régime du cours d'eau.

4. *Débit solide total*

Il y a deux catégories de sédiments: les sédiments maintenus en suspension au sein de l'eau (sédiments en suspension), et les sédiments charriés sur le lit d'un cours d'eau (charriage de fond). Les deux types de sédiments doivent être mesurés séparément et leurs valeurs additionnées si on veut mesurer le débit total des sédiments. Toutefois, on ne l'a pas calculé aux fins de la présente publication.

5. *Laboratoires d'analyse*

La Direction des ressources en eau possède des laboratoires d'analyse des sédiments à New Westminster (Colombie-Britannique), Regina (Saskatchewan), Guelph (Ontario) et Moncton (Nouveau-Brunswick). Les laboratoires disposent des appareils nécessaires pour effectuer les analyses suivantes:

(a) la détermination de la concentration des sédiments par (1) filtration, (2) évaporation, et (3) détermination des matières dissoutes totales par évaporation.
(b) l'analyse granulométrique (1) par extraction des sédiments déposés dans un tube, (2) par l'emploi de tamis et (3) par l'utilisation d'un hydromètre.

La méthode par évaporation consiste à faire évaporer l'eau d'un échantillon de sédiments décanté et à corriger les résultats pour tenir compte des matières dissoutes. La quantité de celles-ci est déterminée en faisant évaporer une partie de l'eau de l'échantillon décanté. Dans la méthode par filtration, on utilise sous vide des creusets de Gooch munis d'un filtre Reeve Angel 934AH et d'un préfiltre Millipore AP20.

Particle-size analysis was carried out for some suspended sediment samples having gross weights in the range of 0.15 to 5 g using the Bottom Withdrawal Tube method. The particle-size distribution of the Bottom Withdrawal Tube method ranges from 0.002 to 1.000 mm. The Sieve analysis method may be used for samples with a large amount of material coarser than 0.062 mm.

The particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)
Clay	0.000 24 – 0.004
Silt	0.004 – 0.062
Sand	0.062 – 2.0
Gravel	2.0 – 64.0

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analyzed in distilled water. Chemical dispersion is not used for native-water analysis.

6. *Accuracy and Reliability of Field Data and Computed Results*

The overall accuracy and degree of reliability of the sediment data is dependent upon many factors. Some of the more important of these are:

(a) accuracy and reliability of streamflow records;
(b) regime of the river;
(c) type of sampling equipment used to collect the suspended sediment samples;
(d) frequency of suspended sediment discharge measurements;
(e) frequency of individual sampling;
(f) quality of the relationship between the average suspended sediment concentration in the cross section and the concentration of the individual samples;
(g) frequency and method of bed material sampling;
(h) frequency and method of bed load measurements;
(i) accuracy and reliability of the laboratory analysis;
(j) selected methods of computation of the suspended sediment discharge;
(k) interpretation and extrapolation of sediment records.

An assessment of the quality of the records can be made by an examination of the occurrence of the symbol (S) on the daily mean concentrations.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those records obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

Une analyse granulométrique a été effectuée pour certains échantillons de sédiments en suspension ayant un poids brut dans l'intervalle de 0.15 à 5 g par la méthode de la burette (extraction des sédiments déposés, à divers intervalles). La distribution de la taille des particules déterminée par cette méthode varie de 0.002 à 1.000 mm. La méthode de tamisage peut être employée pour les échantillons ayant une forte quantité de particules de taille supérieure à 0.062 mm.

La classification granulométrique qui est utilisée dans la présente publication est conforme aux recommandations faites par l'*American Geophysical Union Subcommittee on Sediment Terminology*. La classification est la suivante:

Classification	Taille (mm)
Argile	0.000 24 – 0.004
Limon	0.004 – 0.062
Sable	0.062 – 2.0
Gravier	2.0 – 64.0

La répartition granulométrique qui est fournie dans cette publication, n'est pas obligatoirement représentative de toutes les particules qui sont transportées par un cours d'eau donné. La plupart des matières organiques sont extraites de l'échantillon qui est ensuite soumis à une dispersion mécanique et chimique avant d'être analysé dans de l'eau distillée. La dispersion chimique ne sert pas à l'analyse de l'eau naturelle.

6. *Exactitude des données et des résultats*

L'exactitude des données sur les sédiments dépend de nombreux facteurs. On peut citer, parmi les plus importants:

(a) l'exactitude des données sur les débits;
(b) le régime d'un cours d'eau;
(c) le type d'appareil d'échantillonnage utilisé pour prélever les échantillons de sédiments en suspension;
(d) la fréquence des mesures du débit des sédiments en suspension;
(e) la fréquence des échantillonnages isolés;
(f) la qualité du rapport entre la concentration moyenne des sédiments en suspension dans une section transversale et la concentration des échantillons isolés;
(g) la fréquence des échantillonnages des matériaux de fond et la méthode utilisée;
(h) la fréquence des mesures du charriage de fond et la méthode utilisée;
(i) l'exactitude des analyses de laboratoire;
(j) les méthodes de calcul du débit des sédiments en suspension;
(k) l'interprétation et l'extrapolation des données sur les sédiments.

La qualité des données peut être évaluée d'après la fréquence d'utilisation du symbole (S), avec les données sur la concentration journalière moyenne.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas des petits cours d'eau ou des cours d'eau à crues très rapides.

METHOD OF TABULATION OF SEDIMENT DATA

For stations where the suspended sediment load was obtained, the following data are given where available:

1. The table of *Suspended Sediment Load* includes the daily mean discharge in cubic metres per second, the daily mean concentration in milligrams per litre, and the daily suspended sediment load in tonnes per day. The total monthly discharge and total monthly sediment load are also given for each month of record.

   For stations where the sediment load in tonnes per day are produced for complete or partial years, the *Total Suspended Load* for the period is given in the descriptive information.

   For stations where only suspended sediment concentrations are obtained, the table of *Suspended Sediment Load* will not be given.

   Additional descriptive information about the sediment station is also given and will indicate the following, where applicable.

   Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

   Drainage area – refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station.

   Type of Flow – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

   Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

   (a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.

   (b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.

   International Gauging Station – on waters adjacent to the international boundary, certain gauging stations have been

PRÉSENTATION DES TABLEAUX DE DONNÉES SUR LES SÉDIMENTS

Pour les stations de mesure du débit des sédiments en suspension, les données suivantes sont présentées, pour autant qu'elles sont disponibles:

1. Le tableau concernant le *débit des sédiments en suspension* (The table of Suspended Sediment Load) donne le débit journalier moyen de l'eau, en mètres cubes par seconde, la concentration journalière moyenne, en milligrammes par litre, et le débit journalier des sédiments en suspension, en tonnes par jour. Chaque mois les données indiquent également les débits mensuels totaux de l'eau et des sédiments.

   Dans le cas des stations où le débit des sédiments, en tonnes par jour, est fourni pour une année complète ou une partie de l'année, le total pour la période est indiqué.

   Dans le cas des stations où seule la concentration des sédiments en suspension est obtenue, ce tableau est absent.

   Des renseignements descriptifs additionnels au sujet de la station sont également présentées. On peut y apporter les précisions suivantes:

   Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à une bonne distance de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

   Superficie du bassin versant (Drainage area) – Désigne la zone délimitée par une ligne de faîte de sorte que l'écoulement de surface direct provenant des précipitations est entraîné par gravité vers le cours d'eau, en amont de la station.

   Type de débit (Type of Flow) – Un débit reconnu comme naturel est indiqué. Le débit de nombreux réseaux hydrographiques est modifié par une régularisation effectuée en amont. Dans certains cas, l'importance de cette régularisation n'est pas connue, et elle n'est donc pas indiquée. Cependant, quand on sait que la régularisation est d'une certaine importance, on l'indique, ainsi que l'année où elle a débuté (si elle est connue).

   Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau ou le débit d'un cours d'eau.

   (a) *Manuel* (Manual) – Indique qu'un appareil non enregistreur est employé pour obtenir normalement une fois par jour les données sur le niveau et le débit du cours d'eau.
   (b) *Enregistreuse* (Recording) – Indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux qui est tracé sur un graphique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.

   Station internationale de jaugeage (International Gauging Station) – Dans les eaux contiguës aux frontières, on a

designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Contributed Data – if data were supplied in their entirety or partially by an outside agency, the name of this co-operating agency is given.

Remarks – contains a statement pertaining to the sediment sample collection.

2. The table of *Instantaneous Suspended Sediment Concentration* for depth-integrating samples includes the following: Date and Time of the sample collection; Water Temperature; Instantaneous Discharge at time of sampling, (if not available the daily mean discharge is given and indicated by a symbol); Single Sampling Vertical location; Dissolved Solids; Percent Sand, Silt and Clay; Type of Sampler used. The particle-size distribution of Sand, Silt and Clay, in percent is given where available.

The Single Sampling Vertical Location is defined by many symbols, which are as follows, where applicable:

DIGITS - 5, 14, 130, etc., is the distance in metres from the initial point
WERB - Water's Edge RIGHT Bank
WELB - Water's Edge LEFT Bank
1QRB - One-quarter the distance FROM the RIGHT Bank
3QRB - Three-quarters the distance FROM the RIGHT Bank
1QLB - One-quarter the distance FROM the LEFT Bank
3QLB - Three-quarters the distance FROM the LEFT Bank
MID - MID STREAM
MULT - Composite sediment measurement

For the suspended sediment measurements, the Date; Time; Water Temperature at time of sampling; Discharge computed for each sampling panel; Concentration; Sampling Vertical; Dissolved Solids; Percent Sand, Silt and Clay; Type of Sampler used; and the Particle-size distribution of the Sand, Silt and Clay, in percent is given where available.

3. The table of *Point Integrating Particle-size of Suspended Sediment* includes the following: Date and Time of the sample collection; Water Temperature; Panel Discharge for each sampling vertical; Sampling Vertical; Depth of Sample; Concentration of Sample in milligrams per litre; Dissolved Solids, in milligrams per litre, and the Particle-size distribution in percent of the Sand, Silt and Clay are also given.

désigné certaines stations comme «internationales», et les données obtenues sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publications et dans les *United States Water Supply Papers* sont dues à des variantes dans les techniques de traitement automatique des données.

Données fournies (Contributed Data) – Lorsqu'un organisme extérieur a fourni toutes les données ou une partie des données, son nom est indiqué.

Remarques (Remarks) – Renseignements au sujet du prélèvement des échantillons de sédiments.

2. Le tableau des *concentrations instantanées de sédiments en suspension* (The table of Instantaneous Suspended Sediment Concentration) pour les échantillons obtenus par intégration selon la profondeur comprend: la date et l'heure de prélèvement; la température de l'eau; son débit instantané au moment de l'échantillonnage (s'il n'est pas connu, le débit journalier moyen, avec symbole); l'emplacement de la verticale d'échantillonnage; la concentration des matières dissoutes; les pourcentages de sable, de limon et d'argile; le type d'échantillonneur employé; et la granulométrie du sable, du limon et de l'argile, en pourcentage des particules est donnée lorsqu'elle est disponible.

Le site vertical d'échantillonnage unique est défini par plusieurs symboles dont les suivants dans certains cas :

CHIFFRE - 5, 14, 130, etc., désigne la distance en mètres à partir du point initial
WERB - Bord de l'eau, rive DROITE
WELB - Bord de l'eau, rive GAUCHE
1QRB - Un quart de la distance À PARTIR de la rive DROITE
3QRB - Trois quarts de la distance À PARTIR de la rive DROITE
1QLB - Un quart de la distance À PARTIR de la rive GAUCHE
3QLB - Trois quarts de la distance À PARTIR de la rive GAUCHE
MID - MI-DÉBIT
MULT - Mesure des sédiments mixtes

Pour les mesures des sédiments en suspension, la date, l'heure, la température de l'eau au moment de l'échantillonnage, le débit calculé pour chaque tranche de la section d'échantillonnage, la concentration et la verticale d'échantillonnage, la concentration des matières dissoutes; les pourcentages de sable, de limon et d'argile; le type d'échantillonneur employé; et la granulométrie du sable, du limon et de l'argile, en pourcentage des particules est donnée lorsqu'elle est disponible.

3. Le tableau de la *granulométrie des échantillons ponctuels et intégrés des sédiments en suspension* (The table of Point Integrating Particle-size of Suspended Sediment) comprend: la date et l'heure de prélèvement de l'échantillon, la température de l'eau, le débit de la tranche de la section pour chaque verticale d'échantillonnage, la verticale d'échantillonnage, la profondeur de l'échantillon, la concentration des échantillons, en milligrammes par litre, la concentration des matières dissoutes, en milligrammes par litre, et granulométrie du sable, du limon et de l'argile.

4. The table of *Bed Load Particle-size* includes the following: Date and Time of the sample collection; Panel Discharge; Sampling Vertical and the Type of Sampler used in the collection of the sample and the Particle-size distribution, in percent, for each sample of bed load collected.

5. The table of *Bed Material Particle-size* includes the following: Date and Time of the sample collection; Panel Discharge; Sampling Vertical and the Type of Sampler used in the collection of the sample and the Particle-size distribution, in percent, for each sample of bed material collected.

6. The table of *Historical Sediment Data Summary* gives the following, for the period of record, where applicable.

   (a) Record Summary
   (b) Type of Sampling
   (c) Sampled Concentration, maximum and minimum
   (d) Suspended Sediment Load, maximum daily and the total, for the period, in tonnes
   (e) Summary, including mean load, the historical mean load and the standard error of the mean in percent.

(a) The *Record Summary* gives the months of record that data are available. If the complete month is on file the symbol (C) is shown, while partial months of data are indicated by the symbol (P). Months with no data on file are indicated by (-).

(b) The *Type of Sampling* indicates the type of sampling method used to collect the sediment samples during the period of operation. If the samples were collected by manual methods this is indicated by "MANUAL." If the samples were collected by a pump sampler or some other automatic method this is indicated by "AUTO." If both manual and automatic sampling methods were used this is indicated by "DUAL."

(c) The *Sampled Concentration* gives the maximum and minimum concentration, in milligrams per litre, and the date of collection for each year of record. The extreme recorded for the period of record is indicated by an asterisk (*).

(d) The *Suspended Sediment Load* gives the maximum daily load, in tonnes, and the date of occurrence. The extreme recorded is indicated by an asterisk (*). The Total for the Period gives the total load for the period or year, in tonnes. The extreme recorded is also indicated by an asterisk (*). A load which has been revised since the previous publication is marked with the symbol (R) for Revision.

4. Le tableau de la *granulométrie des sédiments charriés* (The table of Bed Load Particle-size) comprend: la date et l'heure de prélèvement de l'échantillon, le débit de la tranche de la section, la verticale d'échantillonnage et le type d'échantillonneur employé et le pourcentage des particules pour chaque échantillon recueilli du charriage.

5. Le tableau de la *granulométrie des matériaux du lit* (The table of Bed Material Particle-size) comprend: la date et l'heure de prélèvement de l'échantillon, le débit de la tranche de la section, la verticale d'échantillonnage et le type d'échantillonneur employé et le pourcentage des particules pour chaque échantillon recueilli.

6. Le tableau du *sommaire chronologique des données sur les sédiments* (The table of Historical Sediment Data Summary) donne, pour la période pour laquelle les données sont disponibles, les renseignements suivants lorsque de telles données existent:

   (a) Le sommaire du relevé
   (b) Le type d'échantillonnage
   (c) Les concentrations mesurées, maximum et minimum
   (d) Le débit des sédiments en suspension, maximum quotidien et le total pour la période en tonnes
   (e) Résumé, comprend le débit moyen, le débit moyen chronologique et l'erreur type de la moyenne en pourcentage.

(a) Le *sommaire du relevé* donne les mois de relevé pour lesquels les données sont disponibles. Le symbole (C) indique que les données sont disponibles pour tout le mois. Le symbole (P) indique que ces données ne sont disponibles que pour une partie du mois. Enfin, on indique par (-) les mois qui n'ont pas de données.

(b) Le *type d'échantillonnage* indique le type de méthode d'échantillonnage que l'on utilise dans le prélèvement des échantillons de sédiments pendant la période d'exploitation. Si le prélèvement des échantillons se fait par des méthodes manuelles, on indique «MANUEL». Si le prélèvement des échantillons se fait au moyen d'échantillonneur à pompe ou par quelque autre méthode automatique, on indique «AUTO». Si on utilise à la fois des méthodes d'échantillonnage manuelles et automatiques, on indique «DOUBLE».

(c) Pour les *concentrations mesurées* (Sampled Concentration), on donne la concentration maximale et la concentration minimale, en milligrammes par litre, et leur date d'obtention pour chaque année de relevé. La valeur extrême enregistrée est indiquée par un astérisque (*).

(d) Sous le *débit des sédiments en suspension* (Suspended Sediment Load), on donne le débit journalier maximal, en tonnes, et sa date de mesure. Le débit extrême enregistré est indiqué par un astérisque (*). Le débit total pour la période ou pour l'année est indiqué. La valeur extrême est également signalée par un astérisque (*). La lettre R indique qu'une valeur du débit a été révisée depuis la dernière publication.

(e) The *Summary* gives the *Mean Load* and the *Historical Mean Load* in tonnes.

The *Standard Error of the Mean* % is calculated using the following equations:

$$SEM = \frac{S}{\bar{x}\sqrt{n}} \times 100\%$$

and

$$S = \sqrt{\frac{\Sigma (x - \bar{x})^2}{n - 1}}$$

where SEM is the Standard Error of the Mean.

- S is the Standard Deviation of the annual mean loads.
- x is the annual Mean Load variable.
- $\bar{x}$ is the Historical Mean Load or the arithmetic mean of the annual Mean Loads.
- n is the number of years for which there is an annual Mean Load.

For stations with only instantaneous samples, this table will not include the *Suspended Sediment Load* or the statistical information in the *Summary*.

CO-OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Data have been mutually exchanged and suspended sediment collection operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain sediment stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining sediment survey records, the Water Survey of Canada is indebted to other federal and provincial organizations which are noted as contributing agencies in the summary for the year. A list of these agencies may be found in the *Sediment Data Reference Index*.

MICROFICHE

All sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

(e) Le *résumé* donne le *débit moyen* et le *débit moyen chronologique*, en tonnes.

L'*erreur-type de la moyenne* % (Standard Error of the Mean), est calculée à l'aide des équations suivantes:

$$SEM = \frac{S}{\bar{x}\sqrt{n}} \times 100\%$$

et

$$S = \sqrt{\frac{\Sigma (x - \bar{x})^2}{n - 1}}$$

où SEM est l'erreur type de la moyenne.

- S est l'écart type des débits moyens annuels.
- x est la variable du débit moyen annuel.
- $\bar{x}$ est le débit moyen chronologique ou la moyenne arithmétique des débits moyens annuels.
- n est le nombre d'années où il y a un débit moyen annuel.

Dans le cas des stations ne prélevant que des échantillons instantanés, ce tableau ne donnera pas le *débit des sédiments en suspension* ni les données statistiques du *résumé*.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données sur les sédiments, et l'assistance fournie par certains organismes a facilité les opérations d'échantillonnage des sédiments en suspension.

Dans les eaux adjacentes à la frontière internationale, les stations dépendent du Canada ou des États-Unis selon l'accord intervenu entre les deux pays, et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage» dans la présente publication.

La Division des relevés hydrologiques du Canada est redevable à plusieurs organismes fédéraux et provinciaux, dont les noms apparaissent dans le sommaire de l'année, de l'aide et de la collaboration qu'ils lui ont apportées pour l'obtention des données sur les sédiments. On trouvera également les noms des organismes qui ont fourni des données dans l'*Index de référence des données sur les sédiments*.

MICROFICHE

Toutes les données sur les sédiments sont disponibles sur microfiche en unités métriques. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, la première et la dernière année des données ainsi que le mois et l'année de création de la fiche. La dernière image donne l'index de la fiche.

DEFINITION OF TERMS

The following definitions are given to clarify the terms used in this publication:

Automatic pump sample is an individual water-sediment mixture pumped from a fixed point in a stream.

Bed load is that material moving in almost continuous contact with the streambed, being rolled or pushed along the bottom by the force of the water.

Bed material is the sediment mixture of which the streambed is composed.

Daily load is the suspended sediment load expressed in tonnes for a particular day. The daily load is obtained by multiplying the daily mean sediment concentration (mg/L) by the daily mean discharge (m^3/s) and the conversion factor, 0.0864.

Daily mean concentration is a time-weighted mean value and is computed from a manually constructed concentration curve. The mean concentration value may be determined arithmetically or graphically. The arithmetic mean is obtained either by (1) selecting values from the concentration graph that represents uniform intervals of time and taking the arithmetic average or by (2) selecting values from the graph that represent unequal intervals of time and weighing these values by the time intervals represented by the concentrations. For graphical explanation refer to *Office Procedures for Sediment Data Computations* and for the automated graphical explanation refer to *Automated Hydrometric Computation Procedures*.

Depth-integrated sediment sample is a suspended sediment sample collected at a single vertical in a cross section in a sampler moving vertically at a constant transit rate and represents an average sample for that part of the depth ranging from the water surface to about nine centimetres above the streambed.

Instantaneous suspended sediment sample is a sample collected at a fixed vertical in a river cross section.

Measured suspended sediment discharge is the suspended sediment discharge that can be computed from stream discharge and the concentration of sediment determined from depth-integrated sediment samples.

Particle-size analysis is the process of determining the size distribution of particles in a sediment sample.

Point-integrated sediment sample is a sample of the water-sediment mixture taken over a specified period of time at a fixed point and depth in a river cross section.

DÉFINITION DES TERMES

Les définitions suivantes sont présentées afin de faciliter la compréhension des termes utilisés dans la présente publication:

Échantillonnage automatique à l'aide d'une pompe (Automatic pump sample): Prélèvement d'un mélange de sédiments et d'eau au moyen d'une pompe fonctionnant automatiquement, en un point précis d'un cours d'eau.

Charriage (Bed load): Matières roulées ou poussées sur le fond sous l'action de l'eau, mais restant en contact presque permanent avec le fond.

Matériau du lit (Bed material): Mélange de sédiments composant le lit d'un cours d'eau.

Débit journalier des sédiments en suspension (Daily load): Débit des sédiments en suspension exprimé en tonnes par jour, pour une journée donnée. On l'obtient en multipliant la concentration journalière moyenne des sédiments (mg/L) par le débit journalier moyen de l'eau (m^3/s) et le facteur de conversion 0.0864.

Concentration journalière moyenne (Daily mean concentration): Moyenne pondérée en fonction du temps, calculée à partir d'une courbe de la concentration établie manuellement. La valeur de la concentration moyenne peut être déterminée arithmétiquement ou graphiquement. Pour la déterminer arithmétiquement, on peut, soit choisir sur la courbe des valeurs représentant des intervalles uniformes de temps et faire la moyenne arithmétique, soit choisir sur cette courbe des valeurs qui représentent des intervalles inégaux de temps et pondérer ces valeurs en fonction des intervalles de temps correspondants. En ce qui concerne les méthodes graphiques, consulter *Méthodes de bureau pour les calculs de données sur les sédiments* et, pour la méthode automatisée, *Automated Hydrometric Computation Procedures*.

Échantillon intégré sur toute la profondeur (Depth integrated sediment sample): Échantillon des sédiments en suspension prélevé sur une verticale précise d'une section transversale d'un cours d'eau à l'aide d'un échantillonneur se déplaçant verticalement à une vitesse constante; il représente un échantillon moyen des matières en suspension entre la surface de l'eau et environ 9 cm du fond.

Échantillon instantané de sédiments en suspension (Instantaneous suspended sediment sample): Échantillon prélevé à une verticale précise d'une section transversale d'un cours d'eau.

Débit mesuré des sédiments en suspension (Measured suspended sediment discharge): Débit des sédiments en suspension qui peut être calculé à partir du débit du cours d'eau et de la concentration des sédiments déterminée à partir d'échantillons intégrés sur toute la profondeur.

Analyse granulométrique (Particle-size analysis): Détermination de la répartition de la taille des particules dans un échantillon de sédiments.

Échantillon ponctuel et intégré (Point-integrated sediment sample): Échantillon constitué d'un mélange d'eau et de sédiments, prélevé au cours d'une période de temps donnée en un point précis d'une section transversale d'un cours d'eau et à une profondeur donnée.

Sediment is fragmental material which has deposited, eroded or transported by a flowing stream.

Sediment hydrograph is a graph showing the variation of suspended sediment concentration or sediment discharge with respect to time.

Single sample is a sample taken at a selected permanent vertical in a cross section. Two bottles of water-sediment mixture make up each single sample.

Single sampling vertical is a selected permanent vertical in a cross section in which single suspended sediment samples are collected.

Suspended sediment is sediment that moves in suspension in water either as a colloid or through the influence of the upward component of turbulent currents.

Suspended sediment concentration is the ratio of the weight of dry solids in a water-sediment mixture to the volume of the mixture. The units of this ratio are "milligrams per litre" (mg/L).

Suspended sediment load is the quantity of suspended sediment transported through a cross section per unit of time.

Total sediment load is the sum of the suspended sediment load and the bed load.

Unmeasured sediment load is the difference between total sediment load and measured suspended sediment load.

Sédiments (Sediment): Matières fragmentaires qui ont été déposées, érodées ou transportées par un cours d'eau.

Hydrogramme des sédiments (Sediment hydrograph): Graphique représentant la variation de la concentration des sédiments en suspension ou du débit des sédiments en fonction du temps.

Échantillon unique (Single sample): Échantillon prélevé sur une verticale permanente particulière dans une section transversale. Deux bouteilles du mélange eau-sédiments constituent un seul échantillon.

Verticale d'échantillonnage unique (Single sampling vertical): Verticale permanente d'une section transversale où des échantillons uniques de sédiments en suspension sont prélevés.

Sédiments en suspension (Suspended sediment): Matériaux qui se déplacent au sein de l'eau, soit sous forme colloïdale, soit sous l'influence des forces ascendantes des courants turbulents.

Concentration des sédiments en suspension (Suspended sediment concentration): Rapport entre le poids des matières solides sèches contenues dans un mélange eau-sédiments et le volume du mélange. Les unités employées sont les «milligrammes par litre» (mg/L).

Débit des sédiments en suspension (Suspended sediment load): Quantité de sédiments en suspension transportés par unité de temps à travers une section transversale d'un cours d'eau.

Débit total des sédiments (Total sediment load): Somme du débit des sédiments en suspension et du débit charrié.

Débit non mesuré des sédiments (Unmeasured sediment load): Différence entre le débit total des sédiments et le débit mesuré des sédiments en suspension.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when the data were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway.

Revisions to daily discharges or sediment data are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. Revisions, corrections or additions made to discharges and sediment after January 1, 1980, are indicated by an "R" symbol in the data summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

RÉVISIONS

On a corrigé ou révisé des données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calcul lorsqu'on a enregistré les données sur rubans magnétiques et qu'on a recalculé les moyennes mensuelles à l'aide d'un ordinateur. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de certaines données de base au cours de la révision systématique des données historiques sur le débit, actuellement en cours.

Les corrections apportées aux débits journaliers ou aux données sur les sédiments ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont indiquées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données révisées sur les débits mensuels et annuels moyens et les extrêmes annuels du débit. Les révisions, corrections ou ajouts apportés aux données sur les débits et sur les sédiments après le 1er janvier 1980 sont indiqués par la lettre R dans les résumés des données. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre vaut 1.6093 km (kilomètre)

1 cm (centimètre) vaut 0.393 70 pouce
1 m (mètre) vaut 3.2808 pieds
1 km (kilomètre) vaut 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre vaut 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré vaut 2.5900 km^2 (kilomètres carrés)
1 mille carré vaut 259.0 ha (hectares)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) vaut 2.4710 acres
1 km^2 (kilomètre carré) vaut 0.386 10 mille carré

1 pied cube vaut 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial vaut 1.2010 gallon américain
1 gallon américain vaut 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour vaut 1.9835 acre-pied
1 pied cube par seconde pendant un jour couvre un volume d'un mille carré par 0.037 19 pouce
1 acre-pied vaut 1.2335 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde vaut 0.6818 mille par heure
1 mille par heure vaut 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètres par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde vaut 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) vaut 35.315 pieds cubes par seconde

1 livre vaut 0.453 59 kg (kilogramme)
1 kg (kilogramme) vaut 2.2046 livres

1 tonne courte (2000 livres) vaut 0.907 18 t (tonne)
1 t (tonne) vaut 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

NEW BRUNSWICK

COAL BRANCH RIVER AT BEERSVILLE - STATION NO. 01BS001

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 48 26 37 N LONG 65 03 55 W
DRAINAGE AREA: 188 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 850 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	0.580 B	1	0.05	0.273 B	1	0.02	0.800 B	1	0.05	1
2	0.640 B	1	0.05	0.269 B	1	0.02	0.570 B	1	0.05	2
3	0.610 B	1	0.05	0.284 B	1	0.02	0.700 B	2	0.12	3
4	0.580 B	1	0.05	0.280 B	1	0.02	1.00 B	1	0.09	4
5	0.580 B	1	0.05	0.251 B	1	0.02	0.850 B	1	0.07	5
6	0.540 B	1	0.05	0.249 B	1	0.02	0.800 B	1	0.07	6
7	0.505 B	1	0.04	0.242 B	1	0.02	0.780 B	1	0.07	7
8	0.490 B	1	0.04	0.240 B	1	0.02	0.730 B	1	0.08	8
9	0.478 B	1	0.04	0.234 B	1	0.02	0.700 B	1	0.08	9
10	0.480 B	1	0.04	0.230 B	1	0.02	0.882 B	1	0.08	10
11	0.445 B	1	0.04	0.227 B	1	0.02	0.840 B	1	0.08	11
12	0.435 B	1	0.04	0.221 B	1	0.02	0.820 B	8	0.43	12
13	0.420 B	1	0.04	0.220 B	1	0.02	1.20 B	34	3.83	13
14	0.405 B	1	0.03	0.300 B	8	0.21	1.50 B	21 S	2.72	14
15	0.400 B	1	0.03	0.820 B	2	0.11	1.75 B	6 S	0.91	15
16	0.390 B	1	0.03	1.20 B	1	0.10	2.10 B	2	0.38	16
17	0.380 B	1	0.03	1.05 B	1	0.09	2.30 B	4 S	0.78	17
18	0.375 B	1	0.03	0.780 B	1	0.07	2.10 B	4	0.73	18
19	0.365 B	1	0.03	0.850 B	1	0.08	1.80 B	4	0.68	19
20	0.355 B	1	0.03	0.830 B	1	0.08	1.73 B	2 S	0.30	20
21	0.350 B	1	0.03	0.470 B	1	0.04	1.50 B	2	0.28	21
22	0.342 B	1	0.03	0.420 B	2	0.07	1.42 B	1	0.12	22
23	0.334 B	1	0.03	0.440 B	1	0.04	1.38 B	1	0.12	23
24	0.325 B	1	0.03	0.460 B	3	0.12	1.35 B	1	0.12	24
25	0.318 B	1	0.03	0.500 B	1	0.04	1.80 B	1	0.15	25
26	0.310 B	1	0.03	0.550 B	1	0.05	2.02 B	1	0.17	26
27	0.304 B	1	0.03	0.635 B	1 S	0.08	1.85 B	1	0.16	27
28	0.298 B	1	0.03	0.720 B	2	0.12	1.85 B	2	0.29	28
29	0.290 B	1	0.03				1.80 B	2	0.28	29
30	0.287 B	1 S	0.02				3.00 B	3	0.78	30
31	0.280 B	1	0.02				7.00 B	4	2.42	31
TOTAL	12.950		1.12	12.505		1.48	47.792		15.07	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	6.22 B	7 S	3.78	4.26	2 S	0.73	4.41	10	3.81	1
2	4.80 B	4 S	1.59	3.88	3 S	1.00	7.87	11 S	7.43	2
3	3.60 B	2 S	0.82	3.47	2 S	0.80	4.78	3	1.24	3
4	3.10 B	4 S	1.07	4.91	3 S	3.82	3.22	3 S	0.83	4
5	3.80 B	12 S	3.73	5.89	3 S	4.58	2.42	3	0.63	5
6	4.00 B	24 S	8.29	4.39	1 S	0.38	4.81	38 S	18.1	6
7	17.0 B	68 S	99.8	4.27	2 S	0.74	47.8	80 S	372	7
8	14.0 B	38 S	46.0	7.78	7 S	4.71	27.8	10 S	24.0	8
9	12.4	13 S	13.9	11.7	14 S	14.3	13.1	6	6.79	9
10	8.85	5 S	3.74	10.8	9	8.40	8.54	5	4.43	10
11	7.53	4 S	2.60	9.85	7	5.96	8.97	5	3.01	11
12	7.31	5 S	3.16	7.11	6	3.07	4.93	5	2.13	12
13	6.48	4 S	2.24	6.56	5	2.83	3.82	5	1.85	13
14	5.88	5 S	2.54	6.12	9	8.31	3.39	5	1.48	14
15	6.27	4 S	2.17	7.78	5	3.37	2.93	5	1.27	15
16	11.8	13 S	13.0	5.77	4	1.88	2.41	5	1.04	16
17	14.8	12 S	15.3	4.51	3	1.17	2.77	8	1.81	17
18	8.84	6 S	4.58	8.70	10	5.78	3.28	6	1.71	18
19	7.36	3 S	1.90	8.47	10	7.32	4.08	7 S	2.48	19
20	6.80	2 S	1.14	8.08	5	2.83	4.72	5	2.04	20
21	5.88	1 S	0.82	6.38	5	1.89	3.30	4	1.14	21
22	5.82	1 S	0.48	6.12	3	4.76	2.93	3	0.78	22
23	5.41	1 S	0.47	8.25	4 S	2.85	2.28	3	0.59	23
24	5.19	1 S	0.45	5.78	2	1.00	1.89	3	0.49	24
25	5.05	3 S	1.31	4.12	3	1.07	2.48	2 S	0.43	25
26	4.99	1 S	0.43	5.17	5	2.68	2.83	2	0.48	26
27	4.95	1 S	0.43	4.86	4	1.72	2.45	2	0.42	27
28	4.82	1 S	0.42	4.47	4	1.54	2.85	3	0.74	28
29	4.54	1 S	0.39	3.51	3	0.91	3.04	2	0.53	29
30	4.43	2 S	0.77	2.79	3	0.72	4.17	5	1.80	30
31				3.30	3	0.80				31
TOTAL	210.82		236.91	184.16		89.34	193.05		482.38	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NEW BRUNSWICK

COAL BRANCH RIVER AT BEERSVILLE - STATION NO. 01BS001

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	2.89	6	1.55	0.813	7 S	0.31	0.279	1	0.02	1
2	2.13	6	1.10	0.784	5 S	0.34	0.262	1	0.02	2
3	1.84	5	0.71	0.617	1	0.05	0.245	1	0.02	3
4	1.95	5	0.87	0.489	1	0.04	0.227	1	0.02	4
5	1.34	4	0.46	0.399	1	0.03	0.254	1 S	0.02	5
6	1.11	4	0.38	0.378	1	0.03	0.285	1	0.02	6
7	1.02	4 S	0.35	0.362	1	0.03	0.264	1	0.02	7
8	1.02	4	0.35	0.343	1	0.03	0.219	1	0.02	8
9	0.981	4	0.33	0.368	1	0.02	0.212	1	0.02	9
10	0.908	3	0.24	0.339	1	0.03	0.207	1	0.02	10
11	0.880	3	0.23	0.303	1	0.03	0.223	1	0.02	11
12	1.06	2	0.18	0.277	1	0.02	0.220	0	0	12
13	0.880	2	0.15	0.273	1	0.02	0.218	0	0	13
14	0.766	1	0.07	0.289	1	0.02	0.213	0	0	14
15	0.678	1	0.08	0.259	1	0.02	0.209	1	0.02	15
16	0.572	1	0.06	0.410	1	0.04	0.198	1	0.02	16
17	0.612	1 S	0.05	0.384	1	0.03	0.188	1	0.02	17
18	0.582	1	0.05	0.328	1	0.03	0.201	1	0.02	18
19	0.645	1	0.06	0.284	1	0.02	0.182	1	0.02	19
20	0.588	1	0.06	0.287	1	0.02	0.174	1	0.02	20
21	0.523	1	0.05	0.308	1	0.03	0.184	1	0.02	21
22	0.488	1	0.04	0.314	1	0.03	0.178	1	0.02	22
23	0.419	1	0.04	0.301	1 S	0.03	0.190	1	0.02	23
24	0.421	1	0.04	0.278	1	0.02	0.180	1	0.02	24
25	0.367	1	0.03	0.305	1	0.03	0.244	1 S	0.02	25
26	0.351	1	0.03	0.262	1	0.02	0.259	1	0.02	26
27	0.348	1	0.03	0.311	2	0.05	0.192	1 S	0.02	27
28	0.334	1	0.03	0.322	1	0.03	0.185	1	0.02	28
29	0.319	1	0.03	0.279	1	0.02	0.182	1	0.02	29
30	0.342	1	0.03	0.240	1	0.02	0.194	1	0.02	30
31	0.370	1	0.03	0.231	1	0.02				31
TOTAL	36.282		7.48	10.828		1.47	8.457		0.54	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.190	1	0.02				0.480 B	1	0.04	1
2	0.189	1	0.01	0.249	1	0.02	1.10 B	9	0.86	2
3	0.177	1	0.02	0.269	1	0.02	1.35 B	18	2.10	3
4	0.174	1	0.02	0.302	1	0.03	0.700 B	5	0.30	4
5	0.134	1	0.01	0.258	1	0.02	0.480 B	1	0.04	5
6	0.230	1	0.02	0.275	1	0.02	0.380 B	1	0.03	6
7	0.323	1	0.02	0.728	8 S	0.50	0.330 B	1	0.03	7
8	0.218	1	0.02	2.83	26 S	7.09	0.280 B	1	0.03	8
9	0.147	1	0.01	1.85	7 S	1.18	0.267 B	1	0.02	9
10	0.204	1	0.02	1.33	2	0.23	0.247 B	1	0.02	10
11	0.501	3	0.13	1.11	1 S	0.10	0.228 B	1	0.02	11
12	0.488	3	0.13	1.37	3	0.36	0.215 B	1	0.02	12
13	0.361	1 S	0.03	1.27	2	0.22	0.203 B	1	0.02	13
14	0.288	1	0.02	1.26	2	0.22	0.193 B	1	0.02	14
15	0.399	3	0.10	2.07	7	1.25	0.185 B	1	0.02	15
16	1.10	15 S	1.43	1.74	2	0.30	0.178 B	1	0.02	16
17	0.870	4	0.23	1.40	2	0.24	0.170 B	1	0.01	17
18	0.434	2	0.07	1.88	5	0.72	0.183 B	1	0.01	18
19	0.385	2	0.07	2.47	6 S	1.28	0.159 B	1	0.01	19
20	0.404	1	0.03	2.23	5	0.96	0.153 B	1	0.01	20
21	0.324	1	0.03	2.03	3	0.53	0.150 B	1	0.01	21
22	0.273	1	0.02	2.12	2	0.37	0.145 B	1	0.01	22
23	0.247	1	0.02	1.59	2	0.27	0.152 B	4	0.05	23
24	0.251	1	0.02	1.38	2	0.24	0.180 B	3	0.04	24
25	0.236	1	0.02	1.23	1	0.11	0.170 B	1	0.01	25
26	0.255	1	0.02	0.818	1	0.08	0.500 B	2	0.05	26
27	0.265	1	0.02	0.740 B	1	0.06	0.930 B	2	0.18	27
28	0.238	1 S	0.02	0.810 B	1	0.05	1.18 B	1	0.10	28
29	0.215	1	0.02	0.530 B	1	0.05	1.04 B	1	0.09	29
30	0.233	0	0	0.470 B	1	0.04	0.930 B	1	0.08	30
31	0.250	0	0	0.450 B	1	0.04	0.820 B	1	0.07	31
TOTAL	9.686		2.80	36.936		15.50	13.988		4.34	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

COAL BRANCH RIVER AT BEERSVILLE - STATION NO. 01BS001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 30	10:40	0.0	0.287	B	---	DH48	1															
FEB 27	12:05	0.0	0.825	B	---	DH48	1	124														
MAR 14	17:00	0.0	1.50	B	---	DH48	19															
MAR 15	12:00	0.0	1.75	B	---	DH48	5	82														
MAR 17	15:30	0.0	2.10	B	---	DH48	4															
MAR 20	10:30	0.0	1.50	B	---	DH48	2															
APR 01	14:30	1.0	8.22	B	9.0	D49	9															
APR 02	09:30	0.0	4.80	B	9.0	D49	3															
APR 02	18:45	0.0	4.80	B	9.0	D49	3															
APR 03	09:00	0.0	3.60	B	9.0	D49	2															
APR 03	17:10	0.0	3.80	B	9.0	D49	2															
APR 04	09:00	0.0	3.10	B	9.0	D49	3															
APR 04	19:30	0.0	3.10	B	9.0	D49	6															
APR 05	12:00	0.0	3.80	B	9.0	D49	12															
APR 05	19:00	0.0	3.80	B	9.0	D49	13															
APR 06	18:00	1.0	4.00	B	9.0	D49	30															
APR 07	11:50	1.0	17.0	B	9.0	D49	70															
APR 07	19:25	1.0	17.0	B	9.0	D49	83															
APR 08	12:00	1.0	14.0	B	9.0	D49	32															
APR 08	21:00	1.0	14.0	B	9.0	D49	30															
APR 09	09:00	0.0	9.88		9.0	D49	12															
APR 09	19:00	0.0	9.88		9.0	D49	9															
APR 10	08:00	0.0	8.92		9.0	D49	4															
APR 10	19:00	2.0	7.38		9.0	D49	4															
APR 11	08:50	0.0	8.60		9.0	D49	4															
APR 11	17:15	2.0	8.48		9.0	D49	5															
APR 12	08:30	0.0	8.18		9.0	D49	4															
APR 12	19:10	0.0	8.28		9.0	D49	4															
APR 13	19:15	2.0	8.38		9.0	D49	4	50														
APR 14	14:35	4.0	5.80		9.0	D49	5															
APR 14	19:05	5.0	4.80		9.0	D49	6															
APR 15	14:25	3.0	4.80		9.0	D49	2															
APR 15	19:05	6.0	5.38		9.0	D49	36															
APR 16	10:55	5.0	7.80		9.0	D49	13															
APR 16	19:10	5.0	14.0		9.0	D49	11															
APR 17	10:10	1.0	14.7		9.0	D49	13															
APR 17	17:40	1.0	11.8		9.0	D49	11															
APR 18	08:20	0.0	8.48		9.0	D49	7															
APR 18	17:00	3.0	8.24		9.0	D49	8															
APR 19	09:30	2.0	8.04		9.0	D49	2															
APR 19	19:45	3.0	8.82		9.0	D49	2															
APR 20	19:15	8.0	5.18		9.0	D49	2															
APR 21	14:15	7.0	4.50		9.0	D49	1															
APR 21	19:20	8.0	4.50		9.0	D49	1															
APR 22	09:15	3.0	4.50		9.0	D49	1															
APR 22	19:30	5.0	4.28		9.0	D49	1															
APR 23	10:50	4.0	4.28		9.0	D49	1															
APR 23	19:30	5.0	4.08		9.0	D49	1															
APR 24	08:50	4.0	4.08		9.0	D49	1															
APR 24	19:20	4.0	4.28		9.0	D49	1	54														
APR 25	09:30	4.0	3.84		9.0	D49	1															
APR 25	18:30	5.0	3.84		9.0	D49	5															
APR 26	09:30	5.0	3.84		9.0	D49	1															
APR 26	19:35	7.0	3.73		9.0	D49	1															
APR 27	19:35	6.0	3.82		9.0	D49	1															
APR 28	10:55	8.0	3.82		9.0	D49	1															
APR 28	19:30	8.0	3.82		9.0	D49	2															
APR 29	08:15	6.0	3.46		9.0	D49	1															
APR 29	19:20	9.0	3.38		9.0	D49	1															
APR 30	08:10	8.0	3.30		9.0	D49	1															
APR 30	19:05	9.0	3.22		9.0	D49	2															
MAY 01	07:45	7.0	3.14		9.0	D49	1															
MAY 01	19:05	10.0	2.99		9.0	D49	1															
MAY 02	07:40	9.0	2.83		9.0	D49	2															
MAY 02	18:10	11.0	2.76		9.0	D49	3															
MAY 03	07:40	7.0	2.88		9.0	D49	3															
MAY 03	19:15	8.0	2.38		9.0	D49	2															
MAY 04	19:10	7.0	5.80		9.0	D49	1															
MAY 05	10:50	8.0	4.80		9.0	D49	20															
MAY 05	19:20	9.0	3.84		9.0	D49	3															
MAY 06	08:00	6.0	3.30		9.0	D49	2															
MAY 06	19:45	7.0	2.98		9.0	D49	1															
MAY 07	07:55	7.0	2.88		9.0	D49	1															
MAY 07	18:30	1.0	3.30		9.0	D49	1															
MAY 08	07:35	3.0	5.18		9.0	D49	3	49														
MAY 08	19:30	2.0	8.11		9.0	D49	4															
MAY 09	14:35	7.0	9.83		9.0	D49	10															
MAY 23	08:00	9.0	9.80		9.0	D49	8															
JUN 02	12:00	15.0	8.48		9.0	D49	3															
JUN 04	11:00	15.5	3.28		9.0	D49	11	85														
JUN 06	18:00	8.0	5.08		9.0	D49	3															
JUN 07	09:35	9.0	51.8		9.0	D49	185															
JUN 07	14:25	9.0	54.7		9.0	D49	239															
JUN 07	19:50	9.5	53.3		9.0	D49	221															
JUN 08	18:45	14.0	17.8		9.0	D49	40															
JUN 19	09:20	12.0	2.53		9.0	D49	14															
JUN 19	15:30	16.0	3.82		9.0	D49	8															
JUN 19	20:00	14.0	4.28		9.0	D49	33															
JUN 25	10:15	11.0	1.88		9.0	D49	12															
JUL 07	19:45	20.0	0.475		9.0	D49	1	95														
JUL 17	19:20	21.0	0.861		9.0	D49	3															
AUG 01	15:45	16.0	0.215		9.0	D49	1															
AUG 02	13:25	20.0	0.305		9.0	D49	11															
AUG 23	13:15	18.0	0.258		9.0	D49	1															
SEP 05	13:35	20.0	0.305		9.0	D49	1															
SEP 25	09:25	15.0	0.324		9.0	D49	1	188														
SEP 27	12:20	17.0	0.215		9.0	D49	1															
OCT 13	13:15	10.0	0.277		9.0	D49	1															
OCT 16	08:40	8.0	0.575		9.0	D49	1															
OCT 28	13:00	6.0	0.237		9.0	D49	19															
NOV 06	09:35	7.0	0.475		9.0	D49	1															
NOV 07	10:05	7.0	3.48		9.0	D49	1	173														
NOV 08	10:30	7.5	1.94		9.0	D49	7															

NOTE : SINGLE VERTICAL LOCATED AT 9.0 METRES FOR 1985

DISCHARGE SYMBOL(S): B - ICE CONDITIONS

CONTINUED

NEW BRUNSWICK

COAL BRANCH RIVER AT BEERSVILLE - STATION NO. 01BS001 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
NOV 10	15:50	2.5	1.09	9.0	D49	1															
NOV 18	14:45	2.0	2.58	9.0	D49	7															

NOTE : SINGLE VERTICAL LOCATED AT 9.0 METRES FOR 1985

COAL BRANCH RIVER AT BEERSVILLE - STATION NO. 01BS001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : APR-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1984	--PCCCCCCCCC	MANUAL	51	APR 25	1	MAY 07 *	248	JUL 09	2 030 *	7.38	7.38	---
1985	CCCCCCCCCCCC	MANUAL	239	JUN 07 *	1	JAN 30	372	JUN 07 *	850	3.02	5.19	41.8

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

NEW BRUNSWICK

DENNIS STREAM NEAR ST. STEPHEN - STATION NO. 01AR005

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 45 12 35 N LONG 67 15 45 W
DRAINAGE AREA: 115 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 221 TONNES FOR THE PERIOD APR 01 TO NOV 30

REMARKS:

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	4.13	4 S	1.43	1.18	1	0.10	3.58	6	1.85	1
2	3.76	3 S	0.97	1.15	1	0.10	3.28	2 S	0.57	2
3	3.23	3 S	0.84	1.19	2	0.21	2.72	2 S	0.47	3
4	3.14	12 S	3.26	1.71	8	1.18	2.51	1	0.22	4
5	3.01	6 S	1.56	1.76	2	0.30	2.17	1	0.19	5
6	3.82	3 S	0.99	1.76	2	0.30	2.20	2	0.38	6
7	5.57	7 S	3.37	3.59	48 S	14.9	2.57	2	0.44	7
8	5.69	6 S	2.95	4.16	9 S	3.23	2.34	2	0.40	8
9	5.59	3 S	1.45	4.72	8 S	2.45	2.28	1	0.20	9
10	5.32	2 S	0.92	4.21	5 S	1.82	2.15	1	0.19	10
11	4.38	2	0.76	3.48	2	0.60	1.91	1	0.17	11
12	3.86	1 S	0.32	2.88	2	0.50	1.70	1	0.15	12
13	3.01	1 S	0.26	2.56	3	0.66	1.59	1	0.14	13
14	2.58	1 S	0.22	4.07	10 S	3.52	1.45	1	0.13	14
15	2.45	2 S	0.42	4.86	4	1.68	1.32	1	0.11	15
16	2.57	2 S	0.44	4.16	4	1.44	1.19	1	0.10	16
17	2.85	2 S	0.49	2.88	4	1.00	1.18	1	0.10	17
18	2.70	1 S	0.23	3.32	7	2.01	1.12	1	0.10	18
19	2.70	1 S	0.23	4.49	4	1.55	1.32	2	0.23	19
20	2.60	1 S	0.22	3.84	2	0.68	1.22	1	0.11	20
21	2.46	1 S	0.21	3.71	2	0.64	1.15	1	0.10	21
22	2.30	1 S	0.20	8.44	67	37.3	1.13	1	0.10	22
23	1.83	1	0.16	8.46	14 S	10.2	1.05	1	0.09	23
24	1.45	1	0.13	7.24	4 S	2.50	0.986	2	0.17	24
25	1.28	1	0.11	5.67	4 S	1.96	1.31	3	0.34	25
26	1.19	1	0.10	4.58	3 S	1.19	1.64	5	0.71	26
27	1.19	1	0.10	4.14	5 S	1.79	1.74	2	0.30	27
28	1.18	1	0.10	4.57	4 S	1.58	1.63	1	0.16	28
29	1.22	1	0.11	3.77	2 S	0.65	2.83	18	4.40	29
30	1.22	1	0.11	3.20	1 S	0.28	3.43	2	0.59	30
31				2.72	1	0.24				31
TOTAL	88.08		22.68	116.58		96.56	56.895		13.22	TOTAL

	JUL			AUG			SEP			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	2.32	1	0.20	1.43	45	5.56	0.380	1	0.03	1
2	1.84	1	0.17	1.19	5	0.51	0.307	1	0.03	2
3	1.64	1	0.14	0.704	2	0.12	0.244	1 S	0.02	3
4	1.37	1	0.12	0.489	1	0.04	0.312	2	0.05	4
5	1.12	1	0.10	0.434	1	0.04	0.313	1	0.03	5
6	0.921	1	0.08	0.411	1	0.04	0.268	1	0.02	6
7	0.774	1	0.07	0.388	1	0.03	0.244	1	0.02	7
8	0.728	1	0.06	0.361	1	0.03	0.229	1	0.02	8
9	0.784	1	0.07	0.345	1	0.03	0.205	1	0.02	9
10	0.859	1	0.08	0.299	1	0.03	0.214	1	0.02	10
11	0.742	2	0.13	0.272	1	0.02	0.242	1	0.02	11
12	0.650	1	0.08	0.281	1	0.02	0.212	1	0.02	12
13	0.614	1	0.06	0.225	1	0.02	0.196	1	0.02	13
14	0.547	1	0.06	0.201	1	0.02	0.187	1	0.02	14
15	0.484	1	0.04	0.195	1	0.02	0.183	1	0.01	15
16	0.454	2	0.08	0.220	1	0.02	0.152	1	0.01	16
17	0.536	2	0.09	0.202	1	0.02	0.143	1	0.01	17
18	0.407	1	0.04	0.187	1	0.02	0.136	1	0.01	18
19	0.332	1	0.03	0.173	1	0.01	0.135	1	0.01	19
20	0.298	1	0.03	0.178	1	0.02	0.124	1	0.01	20
21	0.278	1	0.02	0.184	1	0.01	0.110	1	0.01	21
22	0.260	1	0.02	0.183	1	0.01	0.109	1	0.01	22
23	0.218	1 S	0.02	0.161	1	0.01	0.103	1	0.01	23
24	0.193	1	0.02	0.154	1	0.01	0.094	1	0.01	24
25	0.166	1	0.01	0.276	5	0.12	0.163	3	0.04	25
26	0.161	1	0.01	0.487	3	0.13	0.155	1	0.01	26
27	0.156	1	0.01	0.583	3	0.15	0.190	4	0.07	27
28	0.141	2	0.02	0.447	2	0.08	0.353	3 S	0.08	28
29	0.131	2	0.02	0.352	1	0.03	0.250	2	0.04	29
30	0.119	2	0.02	0.289	1	0.02	0.213	1	0.02	30
31	0.102	2	0.02	0.430	4	0.15				31
TOTAL	19.227		1.85	11.670		7.34	6.147		0.71	TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

NEW BRUNSWICK

DENNIS STREAM NEAR ST. STEPHEN - STATION NO. 01AR005

SUSPENDED SEDIMENT FOR 1985

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.184	1	0.02	0.428	1	0.04				1
2	0.183	1	0.02	0.402	1	0.03				2
3	0.187	1	0.02	0.390	1	0.03				3
4	0.223	1	0.02	0.376	1	0.03				4
5	0.248	5	0.13	0.361	5	0.19				5
6	0.587	7 S	0.36	4.07	81 S	28.5				6
7	0.467	1	0.04	6.37	13 S	7.15				7
8	0.429	1	0.04	7.17	11 S	8.61				8
9	0.429	1	0.04	9.07	8 S	8.27				9
10	0.486	2	0.08	8.62	4 S	2.98				10
11	0.580	2	0.12	7.08	3 S	1.84				11
12	0.806	1	0.05	5.58	2 S	0.98				12
13	0.578	1	0.05	6.03	3 S	1.56				13
14	0.840	1	0.06	6.01	3 S	1.56				14
15	1.23	17	1.81	5.83	3 S	1.51				15
16	2.20	8 S	1.52	5.20	3 S	1.35				16
17	1.90	2	0.33	5.51	5 S	2.38				17
18	1.83	2	0.33	5.16	3 S	1.60				18
19	1.86	1	0.17	5.59	2 S	0.97				19
20	1.76	1	0.16	5.37	2	0.83				20
21	1.55	1	0.13	4.96	2	0.86				21
22	1.36	2	0.24	4.22	2	0.73				22
23	1.22	2	0.21	3.85	2	0.63				23
24	1.07	1	0.08	3.19	2	0.55				24
25	0.947	1	0.08	2.83	2	0.49				25
26	0.828	1	0.07	2.45 B	2	0.42				26
27	0.737	2	0.13	2.25 B	1	0.19				27
28	0.664	1	0.08	2.02	1	0.17				28
29	0.603	2	0.10	1.87 B	4	0.65				29
30	0.518	1	0.04	1.71 B	2	0.30				30
31	0.472	1	0.04							31
TOTAL	25.918		6.55	124.788		71.88				TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

DENNIS STREAM NEAR ST. STEPHEN - STATION NO. 01AR005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
APR 01	15:00	3.0	4.46	MID	DH59	4															
APR 02	16:00	4.0	3.87	MID	DH59	3															
APR 03	18:20	4.0	3.14	MID	DH59	3															
APR 04	18:20	4.0	3.66	MID	DH59	15															
APR 05	18:10	4.0	2.99	MID	DH59	3															
APR 06	09:00	4.0	3.14	MID	DH59	2															
APR 07	13:00	5.0	5.59	MID	DH59	5															
APR 08	18:30	5.0	4.87	MID	DH59	4	141														
APR 09	18:30	4.0	5.59	MID	DH59	2															
APR 10	16:00	5.0	5.44	MID	DH59	2															
APR 12	18:44	5.0	3.66	MID	DH59	1															
APR 13	14:45	7.0	3.14	MID	DH59	1															
APR 14	09:00	3.0	2.69	MID	DH59	1															
APR 15	19:07	10.0	2.55	MID	DH59	2															
APR 16	19:00	9.0	2.84	MID	DH59	2															
APR 17	19:30	8.0	2.89	MID	DH59	1															
APR 18	19:22	8.0	2.84	MID	DH59	1															
APR 19	19:42	7.0	2.84	MID	DH59	1															
APR 20	09:00	6.0	2.69	MID	DH59	1															
APR 21	10:00	7.0	2.55	MID	DH59	1															
APR 22	19:15	11.0	2.42	MID	DH59	1															
MAY 07	11:20	7.0	5.07	MID	DH59	128															
MAY 08	10:30	7.0	4.46	MID	DH59	7															
MAY 09	18:30	11.0	5.27	MID	DH59	7															
MAY 10	19:00	13.0	4.46	MID	DH59	3															
MAY 14	18:30	13.0	4.46	MID	DH59	4															
MAY 23	14:15	18.0	8.90	MID	DH59	7															
MAY 23	19:30	18.0	8.44	MID	DH59	6															
MAY 24	09:00	14.0	7.95	MID	DH59	4															
MAY 25	10:20	16.0	8.91	MID	DH59	3															
MAY 26	11:00	14.0	4.87	MID	DH59	1															
MAY 27	11:30	15.0	3.68	MID	DH59	2															
MAY 28	20:52	17.0	4.25	MID	DH59	3															
MAY 29	10:30	14.0	3.87	MID	DH59	2															
MAY 30	13:55	19.0	3.14	MID	DH59	1															
JUN 02	10:00	16.0	3.49	MID	DH59	2															
JUN 03	21:30	19.0	2.69	MID	DH59	1															
JUL 23	11:00	20.0	0.219	MID	DH59	1															
SEP 03	12:50	19.0	0.228	MID	DH59	1	55														
SEP 28	09:00	15.0	0.357	MID	DH59	3															
OCT 06	10:00	13.0	0.653	MID	DH59	8															
OCT 16	19:30	11.0	2.09	MID	DH59	4															
NOV 06	10:00	9.0	4.66	MID	DH59	77															
NOV 06	17:00	9.0	5.81	MID	DH59	64															
NOV 07	07:30	9.0	6.20	MID	DH59	15															
NOV 07	17:30	10.0	6.76	MID	DH59	7	56														
NOV 08	09:35	8.0	7.85	MID	DH59	8															
NOV 08	17:15	8.0	8.20	MID	DH59	14															
NOV 09	07:30	6.0	9.16	MID	DH59	10															
NOV 09	18:00	7.0	8.82	MID	DH59	6															
NOV 10	11:00	8.0	8.86	MID	DH59	4															
NOV 10	17:30	8.0	8.86	MID	DH59	4															
NOV 11	07:30	7.0	7.47	MID	DH59	3															
NOV 11	17:30	8.0	8.85	MID	DH59	3															
NOV 12	17:30	8.0	8.27	MID	DH59	3															
NOV 13	17:30	8.0	8.48	MID	DH59	3															
NOV 14	12:00	8.0	8.81	MID	DH59	3															
NOV 15	17:30	8.0	8.48	MID	DH59	3															
NOV 16	12:00	9.0	8.27	MID	DH59	3															
NOV 17	17:00	4.0	6.85	MID	DH59	10															
NOV 18	12:30	4.0	8.33	MID	DH59	3															
NOV 18	17:30	4.0	8.12	MID	DH59	1															
NOV 19	11:40	3.0	8.58	MID	DH59	3															

NOTE : SINGLE VERTICAL LOCATED AT 4.6 METRES FOR 1985

DENNIS STREAM NEAR ST. STEPHEN - STATION NO. 01AR005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1984	---CCCCCCCCP	MANUAL	48	APR 06	1	APR 14 *	54.4	APR 06 *	426 *	---	---	---
1985	---CCCCCCCC-	MANUAL	128	MAY 07 *	1	APR 12	37.3	MAY 23	231	---	---	---

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

P - PARTIAL MONTH

* - EXTREME FOR PERIOD OF RECORD

NEW BRUNSWICK

GRAND RIVER AT VIOLETTE BRIDGE - STATION NO. 01AF007

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 47 14 48 N LONG 67 55 18 W
DRAINAGE AREA: 339 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 4 880 TONNES FOR THE PERIOD APR 01 TO NOV 04

REMARKS:

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	1.82 B	3	0.47	39.3	41	139	5.58	2	1.14	1
2	1.64 B	3	0.43	37.7	35 S	114	7.93	7	4.80	2
3	1.36 B	3	0.35	26.9	17 S	42.4	5.61	3	1.71	3
4	1.26 B	3	0.33	23.7	10 S	20.5	5.29	2	0.91	4
5	1.20 B	3	0.31	20.8	7 S	12.8	4.36	2	0.75	5
6	1.31 B	3	0.34	18.8	5 S	7.93	4.40	3	1.14	6
7	2.23 B	5	0.86	17.3	6 S	8.97	5.76	10	5.04	7
8	4.20 B	7	2.54	16.7	7 S	10.1	5.51	3	0.95	8
9	4.46 B	5	1.93	14.9	5 S	5.44	4.34	2	0.75	9
10	3.61 B	6	1.87	13.6	6 S	7.15	4.35	3	1.13	10
11	3.00 B	4	1.04	15.1	14	19.5	10.6	20	18.3	11
12	2.00 B	5	1.04	13.3	6	5.75	7.08	3	1.84	12
13	1.64 B	5	1.08	17.1	21 S	31.0	5.87	3	1.52	13
14	1.22 B	5	0.86	23.2	33 S	66.1	12.8	23	24.5	14
15	1.23 B	5	0.84	18.1	12 S	18.8	8.79	4	3.38	15
16	6.00 B	18	4.29	13.6	7 S	8.23	6.75	2	1.17	16
17	27.7 B	110 S	265	13.3	7 S	8.04	5.37	2	0.93	17
18	31.6 B	81 S	346	14.8	8 S	9.11	4.88	2	0.81	18
19	24.7 B	70 S	189	28.7	16 S	39.7	5.70	3	1.48	19
20	21.4	77 S	142	24.3	6	8.40	5.41	3	1.56	20
21	22.0	70 S	133	16.1	3	4.17	6.06	3	1.05	21
22	24.2	147 S	307	13.3	3	3.45	5.25	2	0.91	22
23	25.5	133 S	293	11.3	3	2.83	4.28	2	0.74	23
24	25.6	78 S	189	9.99	3	2.59	4.00	2	0.69	24
25	29.2	83 S	209	8.78	3	2.28	7.28	15	9.41	25
26	33.1	86 S	194	8	3	2.15	8.01	4	3.77	26
27	38.2	93 S	308	8.24	8 S	5.70	5.77	2	1.00	27
28	44.0	93 S	354	11.2	12	11.6	4.44	2 S	0.77	28
29	43.8	84 S	237	8.78	3	3.36	4.04	2	0.70	29
30	40.7	39 S	137	6.81	3	1.77	3.82	2	0.88	30
31				6.39	2	1.08				31
TOTAL	488.08		3 207.44	523.15		819.78	184.21		93.41	TOTAL

DAY	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m³/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m³/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	3.51	2	0.61	6.89	11 S	8.80	1.18	3	0.31	1
2	3.31	2	0.58	7.61	15	9.88	1.15	3	0.30	2
3	3.07	2	0.53	6.99	6 S	4.14	1.31	3	0.34	3
4	2.88	3	0.85	4.76	5	2.47	1.46	2	0.25	4
5	3.36	2	0.58	3.97	4	1.37	2.35 A	5 S	0.89	5
6	2.97	2	0.50	3.51	3	0.91	2.31	3	0.60	6
7	5.43 E	45 S	21.1	3.08	3	0.80	1.98	3	0.34	7
8	16.1 E	76 S	99.2	2.83	4	1.01	1.70	2	0.29	8
9	12.0 A	13 S	13.5	6.00	59 S	35.2	1.42	2	0.26	9
10	8.30	10 S	7.17	5.51	31	14.6	1.30	1	0.10	10
11	20.9	62 S	83.5	3.83	12	4.07	1.45	2 S	0.36	11
12	16.8	24	33.0	3.47	7	2.10	1.98	2	0.34	12
13	9.26	12	9.53	3.04	4	1.05	1.71	1	0.15	13
14	6.71	6	3.48	2.68	2	0.48	1.40	1	0.12	14
15	7.99	8	6.37	2.46	2	0.84	1.18	1	0.10	15
16	33.2	60 S	329	2.51	2	0.88	1.09	1	0.08	16
17	33.6	38 S	110	2.38	2	0.82	1.05	1	0.09	17
18	16.1	16	25.0	2.18	2	0.67	1.05	1	0.09	18
19	11.1	8	8.75	1.86	2	0.61	0.993	1	0.09	19
20	10.2	7	6.17	1.83	2	0.60	0.842	2	0.18	20
21	8.60	5 S	3.67	1.88	5 S	0.88	0.888	2	0.15	21
22	7.27	5	3.14	1.88	4	0.88	0.828	3	0.14	22
23	8.88	4	2.27	1.78	3	0.48	0.831	2 S	0.14	23
24	5.80	3	1.45	1.80	3	0.41	0.787	2	0.14	24
25	4.89	3	1.28	1.86	3	0.43	0.882	2	0.15	25
26	5.16	7	3.12	1.82	3 S	0.42	1.07	2	0.18	26
27	22.8	54 S	106	1.84	2	0.40	1.08	2	0.19	27
28	14.8	26	32.6	1.57	4	0.64	3.85	20 S	6.31	28
29	8.48	7 S	5.12	1.65	4	0.67	5.58	14 S	6.75	29
30	7.48	5 S	3.24	1.48	3	0.38	3.58	5	1.55	30
31	6.83	2 S	1.01	1.40	3	0.36				31
TOTAL	322.35		838.87	84.86		52.81	47.971		30.75	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

NEW BRUNSWICK

GRAND RIVER AT VIOLETTE BRIDGE - STATION NO. 01AF007

SUSPENDED SEDIMENT FOR 1985

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	2.73	3 S	0.71	1.21	1	0.10				
2	2.64	4 S	0.91	1.28	1	0.11				1
3	3.88	9	3.08	1.25	1	0.11				2
4	3.35	2	0.58	1.22	1	0.11				3
5	2.58	2	0.45	1.15						4
6	2.64	2 S	0.46	1.22						5
7	2.98	3	0.77	3.23						6
8	2.55	2	0.44	8.47						7
9	2.08	3	0.36	4.83						8
10	1.80	2	0.31	3.47						9
11	1.86	3 S	0.36	2.93						10
12	2.08	1	0.18	2.18						11
13	1.88	1	0.16	2.43						12
14	1.78	1	0.15	2.79						13
15	1.86	1 S	0.16	2.35						14
16	2.72	4	0.94	2.22						15
17	3.85	3	0.61	2.24						16
18	3.32	3	0.40	2.24						17
19	3.09	3	0.38	3.34						18
20	1.90	2	0.33	2.41						19
21	1.78	1	0.15	3.00 S						20
22	1.85	1	0.14	3.45 S						21
23	1.61	1	0.14	3.74 S						22
24	1.61	1	0.13	3.52 S						23
25	1.54	1	0.13	3.34 S						24
26	1.58	1	0.14	3.18 S						25
27	1.44	1	0.12	3.06 S						26
28	1.40	1 S	0.13	1.95 S						27
29	1.36	1	0.12	1.84 S						28
30	1.29	1	0.11	1.78 S						29
31	1.27	1	0.11							30
										31
TOTAL	84.81		12.88	73.30		0.43				TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

R - ICE CONDITIONS

NEW BRUNSWICK

GRAND RIVER AT VIOLETTE BRIDGE - STATION NO. 01AF007

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
APR 17	12:25	1.0	56.2	16.0	D49	132															
APR 18	11:00		29.8	16.0	D49	80															
APR 19	18:10		22.4	16.0	D49	126															
APR 20	12:45		18.9	16.0	D49	82															
APR 21	13:15		18.8	16.0	D49	86															
APR 22	13:00		27.4	16.0	D49	172															
APR 22	19:40		28.8	16.0	D49	232															
APR 23	16:30		28.0	16.0	D49	188															
APR 23	19:50		26.1	16.0	D49	118															
APR 24	16:30		25.8	16.0	D49	89															
APR 25	16:30		29.2	16.0	D49	72															
APR 25	19:45		29.0	16.0	D49	88															
APR 26	10:30		32.1	16.0	D49	71	63														
APR 26	16:10		33.6	16.0	D49	49															
APR 27	13:00		37.6	16.0	D49	89															
APR 27	16:30		36.8	16.0	D49	92															
APR 28	14:00		44.1	16.0	D49	77															
APR 28	16:00		44.2	16.0	D49	85															
APR 28	20:10		44.3	16.0	D49	89															
APR 29	15:20		42.5	16.0	D49	52															
APR 29	18:00		42.2	16.0	D49	44															
APR 29	20:00		41.9	16.0	D49	37															
APR 30	16:10		40.3	16.0	D49	38															
APR 30	20:45		39.1	16.0	D49	44															
MAY 02	16:00		38.3	16.0	D49	29															
MAY 02	20:00		37.8	16.0	D49	25															
MAY 03	16:00		28.6	16.0	D49	19															
MAY 03	20:00		28.1	16.0	D49	12															
MAY 04	16:00		21.6	16.0	D49	10															
MAY 05	16:00		18.5	16.0	D49	7															
MAY 06	16:00		18.1	16.0	D49	5	72														
MAY 07	16:30		17.7	16.0	D49	7															
MAY 08	08:40	3.0	17.6	16.0	D49	8															
MAY 09	16:30	5.0	17.5	16.0	D49	5															
MAY 10	16:00	4.0	16.2	16.0	D49	5															
MAY 13	16:30	5.0	19.0	16.0	D49	31															
MAY 14	16:30	7.0	24.7	16.0	D49	30															
MAY 15	16:30	7.0	17.4	16.0	D49	8															
MAY 16	16:30	9.0	21.7	16.0	D49	10															
MAY 17	16:30	5.0	24.4	16.0	D49	10															
MAY 17	20:00	5.0	24.4	16.0	D49	4	76														
MAY 18	16:30	10.0	22.6	16.0	D49	3															
MAY 19	16:30	10.0	19.8	16.0	D49	5															
MAY 27	14:35	9.0	8.04	16.0	D49	5															
JUN 28	08:10	14.0	4.67	16.0	D49	2															
JUL 07	12:15	19.0	5.19	16.0	D49	45	82														
JUL 08	13:00	14.0	16.5	16.0	D49	79															
JUL 08	07:35	15.0	13.0	16.0	D49	17															
JUL 10	18:00	16.0	6.71	16.0	D49	11															
JUL 11	10:50	15.0	21.8	16.0	D49	64															
JUL 11	18:45	17.0	23.5	16.0	D49	41															
JUL 16	08:35	16.0	23.6	16.0	D49	89															
JUL 17	10:20	15.0	36.6	16.0	D49	38															
JUL 21	10:10	15.0	8.63	16.0	D49	5															
JUL 27	14:00	18.0	27.5	16.0	D49	58															
JUL 28	13:00	13.0	9.28	16.0	D49	5															
JUL 29	20:00	15.0	7.90	16.0	D49	4															
JUL 30	09:00	14.0	7.80	16.0	D49	6															
JUL 30	13:15	15.0	7.66	16.0	D49	6															
AUG 01	10:00	13.0	5.50	16.0	D49	5															
AUG 03	09:45	11.0	7.77	16.0	D49	8	104														
AUG 09	14:00	17.0	7.84	16.0	D49	75															
AUG 21	18:30	17.0	1.84	16.0	D49	6															
AUG 26	12:10	16.0	1.70	16.0	D49	3															
SEP 05	12:00	12.0	2.20	16.0	D49	3															
SEP 11	11:00	10.0	1.26	16.0	D49	1															
SEP 23	14:00	13.0	0.736	16.0	D49	2															
SEP 26	10:30	13.0	2.88	16.0	D49	12															
SEP 29	11:00	10.0	5.86	16.0	D49	13															
OCT 01	13:30	12.0	2.66	16.0	D49	3															
OCT 02	16:45	11.0	2.72	16.0	D49	3															
OCT 06	08:30	10.0	2.32	16.0	D49	2															
OCT 11	11:30	7.0	2.01	16.0	D49	2															
OCT 15	09:30	7.0	1.83	16.0	D49	1															
OCT 28	09:50	4.0	1.45	16.0	D49	1															
NOV 05	16:30	2.0	1.18	16.0	D49	1															

NOTE : SINGLE VERTICAL LOCATED AT 16 METRES FOR 1985

GRAND RIVER AT VIOLETTE BRIDGE - STATION NO. 01AF007

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1984	---CCCCCCC--	MANUAL	137	APR 20	3	OCT 23	625	MAY 02 *	7 810 *	---	---	---
1985	---CCCCCCCP-	MANUAL	232	APR 22 *	1	SEP 11 *	354	APR 28	4 880	---	---	---

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

P - PARTIAL MONTH

* - EXTREME FOR PERIOD OF RECORD

NEW BRUNSWICK

KENNEBECASIS RIVER AT APOHAQUI - STATION NO. 01AP004

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 45 42 07 N LONG 65 35 05 W
DRAINAGE AREA: 1 100 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 14 300 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	7.60 B	1	0.68	3.00 B	1 S	0.26	10.1 B	4 S	3.49	1
2	5.90 B	1 S	0.60	2.88 B	1	0.25	13.0 B	17	19.1	2
3	5.10 B	1	0.53	2.82 B	1	0.25	18.0 B	46	71.5	3
4	5.80 B	1 S	0.50	2.90 B	2	0.50	13.0 B	29 S	32.5	4
5	5.40 B	1	0.47	2.85 B	2 S	0.49	11.5 B	20	19.9	5
6	5.18 B	1	0.45	2.80 B	2	0.48	10.0 B	27 S	23.3	6
7	4.85 B	1	0.42	2.75 B	1	0.24	8.80 B	12	9.12	7
8	4.65 B	1 S	0.40	2.70 B	1 S	0.23	7.80 B	1 S	0.87	8
9	4.57 B	1	0.38	2.65 B	1	0.23	7.10 B	1	0.61	9
10	4.35 B	1	0.38	2.64 B	1	0.23	7.00 B	2	1.21	10
11	4.25 B	1 S	0.37	2.62 B	1	0.23	7.02 B	2 S	1.21	11
12	4.20 B	1	0.36	2.62 B	1 S	0.23	7.50 B	7	4.54	12
13	4.10 B	1	0.35	2.60 B	1	0.24	30.0 B	73 S	189	13
14	4.00 B	2	0.69	8.00 B	16	10.4	129 B	34 S	379	14
15	3.90 B	2 S	0.67	19.0 B	5 S	8.21	78.1	14 S	92.1	15
16	3.80 B	2	0.66	17.0 B	3	4.41	54.4	12 S	56.4	16
17	3.75 B	1	0.33	14.8 B	2	2.56	40.0	10	34.6	17
18	3.70 B	1 S	0.32	12.0 B	2	2.07	30.8	9 S	23.8	18
19	3.80 B	1	0.31	9.70 B	2 S	1.68	26.1	8	18.0	19
20	3.80 B	1	0.31	8.80 B	2	1.52	24.1	4 S	8.33	20
21	3.82 B	1	0.30	7.40 B	2	1.28	23.9	11	32.7	21
22	3.46 B	1 S	0.30	6.60 B	2 S	1.14	20.3	8	14.0	22
23	3.41 B	1	0.29	7.80 B	8	5.39	19.4	19	31.8	23
24	3.35 B	1	0.28	8.60 B	8	6.88	19.9	15	25.6	24
25	3.31 B	1 S	0.28	12.3 B	3 S	3.19	18.8	28	43.8	25
26	3.28 B	1	0.28	10.3 B	1	0.89	17.0	33	46.5	26
27	3.21 B	1	0.28	9.55 B	6 S	4.86	16.5	43	86.2	27
28	3.20 B	1	0.28	14.0 B	18	21.8	17.2	80	74.3	28
29	3.18 B	1 S	0.27				22.8	93	183	29
30	3.14 B	1	0.27				37.5	140	454	30
31	3.08 B	1	0.27				32.5	131	388	31
TOTAL	130.46		12.28	203.12		78.38	776.83		2 310.58	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	28.0	108	238	18.6	5 S	8.04	68.9	148 S	889	1
2	22.1	63	120	17.6	4	6.08	111	85 S	823	2
3	20.7	32 S	57.2	16.2	3 S	4.20	58.6	19 S	76.2	3
4	22.0	34	64.6	22.2	86	153	40.1	12	41.6	4
5	25.6	37 S	81.8	25.2	34	103	31.7	10 S	27.4	5
6	30.2	42 S	110	28.5	6 S	18.3	48.0	20	77.8	6
7	100	182 S	1 400	33.7	27	78.8	105	71 S	644	7
8	82.0	72 S	572	50.0	28 S	121	113	30 S	293	8
9	68.8	46 S	273	55.0	36 S	171	58.4	14	82.7	9
10	64.0	35 S	117	45.0	14	64.4	51.2	9 S	39.6	10
11	48.7	18	72.6	50.8	23 S	101	43.0	9	33.4	11
12	42.4	21 S	76.8	43.4	8	30.0	36.0	7	21.6	12
13	38.3	30	83.7	38.9	7 S	23.5	33.8	6 S	23.4	13
14	30.8	18	60.2	62.8	36 S	189	32.3	6 S	22.3	14
15	27.3	18 S	37.7	83.6	24 S	133	26.3	6	14.7	15
16	28.8	18	39.6	48.7	14	58.8	24.8	5	10.7	16
17	43.5	63 S	195	41.0	11 S	39.0	24.8	6 S	12.8	17
18	48.4	24	84.1	58.4	24 S	172	25.4	7	15.4	18
19	35.6	18 S	68.4	86.8	13 S	82.4	25.0	9 S	19.4	19
20	32.3	11	30.7	41.8	9 S	32.3	26.3	8	18.2	20
21	30.2	10	26.1	33.5	8	23.2	20.7	9 S	16.1	21
22	28.3	10 S	24.5	76.1	143 S	888	18.1	9	14.1	22
23	25.8 A	10	22.4	100	64 S	553	16.8	8	11.0	23
24	23.8 E	9 S	18.6	67.3	24 S	140	14.0	8 S	8.05	24
25	21.8 A	8	15.1	51.7	18	71.6	26.9	18 S	41.8	25
26	21.8	7 S	13.2	46.8	22	88.7	33.2	25 S	71.7	26
27	21.5	8	11.1	42.5	16 S	58.8	31.8	8	24.6	27
28	20.9	8	10.6	41.9	19	68.8	60.4	82 S	270	28
29	20.0	7 S	12.1	34.9	12 S	36.2	40.4	32	112	29
30	19.2	6	9.85	28.8	9	22.4	41.8	33	119	30
31				28.0	14 S	30.2				31
TOTAL	1 083.7		3 811.35	1 375.8		3 814.83	1 385.9		3 853.05	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

NEW BRUNSWICK

KENNEBECASIS RIVER AT APOHAQUI - STATION NO. 01AP004

SUSPENDED SEDIMENT FOR 1988

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	31.8	12 S	33.1	5.45	6	3.77	4.48	4	1.55	1
2	24.8	8	17.1	8.79	13 S	9.67	3.93	3 S	1.02	2
3	21.2	8	14.7	6.21	8	4.39	3.55	2	0.81	3
4	18.1	8	13.2	5.09	8	3.52	3.25	2	0.56	4
5	18.9	9 S	13.1	4.88	7 S	2.83	3.58	2	0.62	5
6	14.8	8	10.2	4.48	7	2.71	3.53	1 S	0.30	6
7	14.8	8	10.3	4.30	7	2.64	3.30	1	0.28	7
8	15.8	5 E	8.74	4.03	7	2.44	3.10	1	0.27	8
9	13.8	3	3.50	4.26	7 S	2.68	2.82	1 E	0.24	9
10	12.2	2	2.11	4.18	7	2.51	2.65	1	0.23	10
11	12.4	3	3.21	3.83	6	1.88	2.74	1	0.24	11
12	12.4	3 S	3.21	3.77	4 S	1.30	2.66	1	0.23	12
13	11.4	3	2.95	3.63	3	0.94	2.63	1	0.23	13
14	11.1	2	1.82	3.48	3	0.90	2.63	1	0.23	14
15	11.3	4	3.81	3.54	2	0.61	2.60	1	0.22	15
16	12.7	5 S	5.48	3.53	2 S	0.61	2.40	1 S	0.21	16
17	10.8	4 S	3.73	3.41	2	0.59	2.43	1	0.21	17
18	9.12	4	3.15	3.26	3	0.84	2.36	1	0.20	18
19	8.47	5 E	3.68	3.19	3 S	0.83	2.33	1	0.20	19
20	7.80	6	4.04	3.23	3	0.84	2.36	1	0.20	20
21	7.21	7	4.38	3.47	3	0.90	2.31	1	0.20	21
22	8.88	6 S	3.45	3.26	3	0.84	2.18	1	0.18	22
23	8.08	5	2.83	3.17	2	0.58	2.13	1 S	0.18	23
24	5.75	5	2.48	3.23	2 S	0.55	2.08	2	0.38	24
25	5.58	5	2.41	3.24	3	0.84	2.11	5 S	0.81	25
26	5.43	4	1.88	3.24	2	0.56	2.28	5	0.89	26
27	5.38	6	3.33	3.78	2	0.65	2.38	4	0.83	27
28	5.05	6	2.18	4.80	3 E	1.17	2.62	3	0.85	28
29	4.75	5 E	2.05	3.88	3	0.84	2.38	2	0.41	29
30	4.80	5	1.94	3.20	3 E	0.83	2.38	3 S	0.41	30
31	4.48	8	2.32	3.39	2	0.87				31
TOTAL	383.27		187.35	124.28		54.65	82.08		12.89	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	2.18	2	0.37	2.18	1	0.18	4.22 E	6	2.18	1
2	2.02	2	0.35	2.16	1	0.19	4.18 E	19	6.85	2
3	2.00	1	0.17	2.27	1	0.20	16.8 E	37	38.2	3
4	2.07	1 E	0.18	2.40	1 S	0.21	14.8 E	22	27.6	4
5	2.01	1	0.17	2.39	1	0.21	12.5 E	29	31.3	5
6	2.28	1	0.20	3.34	2	0.58	10.5 E	10	9.33	6
7	2.30	2 S	0.41	13.6	23 E	27.0	8.80 E	9	6.88	7
8	2.16	2	0.38	9.56	9	7.45	7.60 E	8	5.26	8
9	2.12	2	0.37	6.07	4	2.10	6.80 E	6	3.42	9
10	2.31	2	0.40	5.42	4	1.87	5.90 E	4	2.04	10
11	3.54	4	1.32	9.01	6 S	4.67	5.30 E	3	1.37	11
12	3.31	3	0.88	7.55	3	1.89	4.80 E	3	1.24	12
13	3.65	1	0.25	19.9	43 E	73.9	4.40 E	3	1.14	13
14	2.74	1 E	0.24	26.4	33	75.3	4.00 E	2	0.89	14
15	2.68	2	0.50	15.1	6 E	7.83	3.70 E	2	0.84	15
16	7.01	14 E	8.48	10.2	4	3.83	3.55 E	2	0.81	16
17	4.74	7	2.87	11.5	16	16.5	3.30 E	2	0.68	17
18	3.44	4 E	1.19	26.8	31	72.0	3.20 E	2	0.55	18
19	2.86	2	0.51	16.7	5 E	8.08	3.05 E	2	0.53	19
20	2.78	1	0.24	14.3	2	3.47	2.90 E	2	0.50	20
21	2.87	1 E	0.25	12.1	2	2.09	2.80 E	2	0.48	21
22	2.80	2	0.48	8.86	1 E	0.83	2.70 E	2	0.47	22
23	2.86	2 E	0.45	8.44	1	0.73	2.62 E	2	0.45	23
24	2.54	2	0.44	7.88	1	0.68	2.62 E	2	0.45	24
25	2.80	2 E	0.48	8.85	1 E	0.80	2.60 E	4	0.87	25
26	2.80	2	0.48	8.30 E	10	5.38	11.2 E	30	29.0	26
27	2.47	1	0.21	5.80 E	11 S	5.51	18.2 E	10	14.0	27
28	2.40	1 E	0.21	5.30 E	7	3.21	14.2 E	3	3.68	28
29	2.18	1	0.18	4.85 E	6	2.67	13.0 E	3	3.37	29
30	2.15	1 E	0.18	4.80 E	6	2.38	12.0 E	2	2.07	30
31	2.11	1	0.18				11.0 E	2	1.90	31
TOTAL	85.10		33.86	280.86		329.83	321.08		198.87	TOTAL

E - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

KENNEBECASIS RIVER AT APOHAQUI - STATION NO. 01AP004

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 02	11:00	2.0	6.80	B	29.9	DH48	1															
JAN 04	11:15	1.0	5.80	B	29.9	DH48	1															
JAN 08	14:25	1.0	4.05	B	29.9	DH48	1															
JAN 11	13:40	0.0	4.25	B	29.9	DH48	1															
JAN 15	14:15	1.0	3.90	B	29.9	DH48	1	65														
JAN 18	14:20	0.0	3.70	B	29.9	DH48	2															
JAN 22	16:10	0.0	3.46	B	29.9	DH48	1															
JAN 25	14:45	0.0	3.31	B	29.9	DH48	1															
JAN 29	15:20	1.0	3.18	B	29.9	DH48	1															
FEB 01	14:50	1.0	3.00	B	29.9	DH48	1															
FEB 05	15:15	0.0	2.85	B	29.9	DH48	1															
FEB 08	10:55	0.0	2.70	B	29.9	DH48	2															
FEB 12	14:50	1.0	2.62	B	29.9	DH48	1															
FEB 15	10:55	1.0	19.0	B	29.9	DH48	1															
FEB 22	10:45	1.0	6.80	B	29.9	DH48	3															
FEB 25	14:20	1.0	12.3	B	29.9	DH48	2															
FEB 27	10:35	2.0	8.56	B	29.9	DH48	1															
MAR 01	14:20	1.0	10.1	B	29.9	DH48	3															
MAR 04	10:30	0.0	13.0	B	29.9	DH48	2															
MAR 06	15:30	0.0	10.0	B	29.9	DH48	28															
MAR 08	10:40	1.0	7.80	B	29.9	DH48	28															
MAR 11	14:55	2.0	7.02	B	29.9	DH48	1															
MAR 13	09:55	2.0	30.0	B	29.9	DH48	2															
MAR 13	16:45	2.0	30.0	B	29.9	DH48	108															
MAR 14	10:30	1.0	128	B	29.9	DH48	48															
MAR 15	10:40	1.0	74.5		29.9	DH48	34															
MAR 16	15:50	1.0	54.1		29.9	DH48	13															
MAR 18	15:45	0.0	29.1		29.9	DH48	17															
MAR 20	09:55	2.0	24.2		29.9	DH48	9															
MAR 22	10:50	1.0	17.3		29.9	DH48	1															
APR 03	09:15		19.7		29.9	DH48	4															
APR 05	16:20	3.8	24.1		29.9	DH48	30															
APR 06	07:35	3.3	29.2		29.9	DH48	33															
APR 06	17:45	6.0	33.0		29.9	DH59	35															
APR 07	09:55	4.7	112		29.9	DH59	37	79														
APR 08	07:28	2.0	88.8		29.9	DH59	197															
APR 08	17:43	4.5	78.7		29.9	DH59	67															
APR 09	18:00	3.0	60.0		29.9	DH59	64															
APR 10	18:13	5.4	48.4		29.9	DH59	33															
APR 12	18:35	5.0	37.4		29.9	DH59	30															
APR 15	16:00	9.8	26.4		29.9	DH59	21															
APR 17	19:20	4.5	45.4		29.9	DH59	13															
APR 19	18:00	11.0	31.2		29.9	DH59	36															
APR 22	18:00	11.0	26.8		29.9	DH59	13															
APR 24	19:35	11.3	28.0		29.9	DH59	11	88														
APR 26	18:30	11.5	21.2		29.9	DH59	9															
APR 29	17:30	12.7	19.3		29.9	DH59	7															
MAY 01	15:22	14.8	12.0		29.9	DH59	7															
MAY 03	15:48	10.5	15.4		29.9	DH59	6															
MAY 06	17:25	12.7	25.8		29.9	DH59	3															
MAY 08	07:53	4.5	46.1		29.9	DH59	5															
MAY 08	18:20	5.0	60.5		29.9	DH59	21															
MAY 09	18:45	9.4	51.3		29.9	DH59	20															
MAY 11	18:50	13.5	52.3		29.9	DH59	18															
MAY 13	18:15	8.5	39.9		29.9	DH59	17															
MAY 14	07:30	5.8	51.9		29.9	DH59	8															
MAY 14	20:00	9.0	71.7		29.9	DH59	27															
MAY 15	18:23	12.5	61.2		29.9	DH59	38															
MAY 17	19:40	13.7	39.9		29.9	DH59	19															
MAY 18	08:50	12.0	58.8		29.9	DH59	10															
MAY 18	17:45	13.8	62.8		29.9	DH59	54															
MAY 19	19:25	15.4	51.8		29.9	DH59	27															
MAY 20	18:15	16.0	38.8		29.9	DH59	12															
MAY 22	18:10	12.0	105		29.9	DH59	9															
MAY 23	07:30	9.0	111		29.9	DH59	335															
MAY 23	18:30	16.5	89.0		29.9	DH59	49															
MAY 24	07:15	12.8	72.3		29.9	DH59	34	56														
MAY 27	18:10	16.4	40.3		29.9	DH59	28															
MAY 29	15:05	15.5	34.2		29.9	DH59	11															
MAY 31	19:45	16.0	24.0		29.9	DH59	8															
JUN 01	14:55	15.0	60.1		29.9	DH59	14															
JUN 01	19:18	14.5	50.8		29.9	DH59	184															
JUN 02	10:15	13.8	117		29.9	DH59	287															
JUN 03	15:10	17.0	54.1		29.9	DH59	35															
JUN 05	16:53	18.0	30.7		29.9	DH59	13															
JUN 07	09:08	10.0	79.8		29.9	DH59	10															
JUN 07	19:00	12.4	134		29.9	DH59	70															
JUN 08	09:50	10.6	121		29.9	DH59	80															
JUN 08	19:20	15.5	93.7		29.9	DH59	30															
JUN 10	18:10	15.0	49.5		29.9	DH59	21															
JUN 13	18:00	11.5	32.9		29.9	DH59	10															
JUN 14	17:30	14.4	32.0		29.9	DH59	8															
JUN 17	17:40	14.3	26.0		29.9	DH59	8															
JUN 19	19:00	16.0	29.7		29.9	DH59	8															
JUN 21	18:33	22.5	19.2		29.9	DH59	13															
JUN 24	20:05	19.0	13.2		29.9	DH59	9															
JUN 25	10:00	11.5	29.7		29.9	DH59	4															
JUN 26	17:44	14.0	36.1		29.9	DH59	22															
JUN 28	09:20	13.5	59.5		29.9	DH59	18															
JUL 01	17:27	20.5	29.7		29.9	DH59	44															
JUL 05	21:20	22.3	16.0		29.9	DH59	9															
JUL 08	18:23	21.0	14.8		29.9	DH59	10															
JUL 12	18:10		11.5		29.9	DH59	3															
JUL 16	10:00	19.5	11.8		29.9	DH59	3															
JUL 17	14:00	19.5	10.4		29.9	DH59	6	103														
JUL 19	19:30	20.5	8.38		29.9	DH59	4															
JUL 22	18:30	22.0	6.57		29.9	DH59	6															
JUL 28	20:02	22.5	4.49		29.9	DH59	6															
AUG 02	18:10	20.0	8.32		29.9	DH59	6															
AUG 05	17:30	25.0	4.57		29.9	DH59	10															
AUG 09	20:00	23.8	3.86		29.9	DH59	7															
AUG 12	18:30	23.0	3.47		29.9	DH59	7															
AUG 16	18:30	23.0	3.47		29.9	DH59	4															
							2															

NOTE : SINGLE VERTICAL LOCATED AT 29.9 METRES FOR 1985

DISCHARGE SYMBOL(S): B - ICE CONDITIONS

CONTINUED

NEW BRUNSWICK

KENNEBECASIS RIVER AT APOHAQUI - STATION NO. 01AP004 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
AUG 19	18:25	22.2	3.16	29.9	DH59	3	181														
AUG 24	18:25	20.0	3.06	29.9	DH59	2															
AUG 28	14:00	20.0	4.47	29.9	DH59	3															
AUG 30	18:30	19.2	3.27	29.9	DH59	2															
SEP 02	18:20	18.8	3.78	29.9	DH59	2															
SEP 06	19:30	18.0	3.51	29.9	DH59	1															
SEP 09	18:35	20.0	3.00	29.9	DH59	1	181														
SEP 16	18:35	18.5	2.49	29.9	DH59	1															
SEP 23	18:00	17.7	2.17	29.9	DH59	1															
SEP 25	14:00	18.0	2.09	29.9	DH59	6															
SEP 30	18:40	18.0	2.14	29.9	DH59	2	196														
OCT 04	18:05	15.8	2.06	29.9	DH59	1															
OCT 07	18:05	15.0	2.20	29.9	DH59	2															
OCT 14	18:20	9.5	2.38	29.9	DH59	2															
OCT 16	18:45	13.0	6.44	29.9	DH59	15															
OCT 18	18:25	10.5	3.44	29.9	DH59	3															
OCT 21	18:25	8.5	2.55	29.9	DH59	1															
OCT 23	17:50	10.5	2.33	29.9	DH59	2															
OCT 25	18:30	12.5	2.36	29.9	DH59	2															
OCT 28	13:55	7.5	2.39	29.9	DH59	1															
OCT 30	10:00	2.0	2.12	29.9	DH59	1															
NOV 04	18:25	4.5	2.30	29.9	DH59	1															
NOV 07	14:10	11.0	16.7	29.9	DH59	26															
NOV 11	17:05	4.0	9.08	29.9	DH59	3															
NOV 13	16:10	6.5	25.1	29.9	DH59	78															
NOV 15	13:35	1.3	14.1	29.9	DH59	5															
NOV 19	12:20	2.0	18.9	29.9	DH59	4															
NOV 22	13:00	4.0	9.58	29.9	DH59	1															
NOV 25	17:03	0.5	6.84	29.9	DH59	1															
NOV 27	16:50	0.2	8.20	29.9	DH59	10															

NOTE : SINGLE VERTICAL LOCATED AT 29.9 METRES FOR 1985

KENNEBECASIS RIVER AT APOHAQUI - STATION NO. 01AP004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1966	------CCCCCC	MANUAL	80	NOV 04	1	AUG 31	185	NOV 04	1 470	---	---	---
1967	CCCCCCCCCCCC	MANUAL	185	JUL 03	0	FEB 24 *	1 480	NOV 24	31 000	85.1	85.1	---
1968	CCCCCCCCCCCC	MANUAL	457	FEB 04	1	OCT 09	2 150	FEB 04	25 800	70.8	78.0	9.2
1969	CCCCCCCCCCCC	MANUAL	215	JAN 19	2	JUN 16	2 340	DEC 23	19 500	53.4	69.6	13.1
1970	CCCCCCCCCCCC	MANUAL	351	FEB 04	2	MAY 11	11 200	FEB 04	41 900	115	81.1	16.1
1971	CCCCCCCCCCCC	MANUAL	355	NOV 26	1	OCT 24	1 800	APR 15	28 300	77.6	80.4	12.6
1972	CCCCCCCCCCCC	MANUAL	661	OCT 08	1	FEB 08	5 680	MAY 04	43 900	120	87.0	12.2
1973	CCCCCCCCCCCC	MANUAL	408	MAR 12	2	SEP 09	3 020	APR 29	34 400	94.2	88.0	10.2
1974	CCCCCCCCCCCC	MANUAL	483	SEP 30	1	JUN 05	10 100	DEC 10	48 300	127	92.9	9.9
1975	CCCCCCCCCCCC	MANUAL	181	NOV 14	3	NOV 10	3 040	NOV 14	25 000	68.4	90.2	9.5
1976	CCCCCCCCCCCC	MANUAL	188	JAN 28	3	SEP 26	4 390	JAN 28	34 800	95.1	90.7	8.4
1977	CCCCCCCCCCCC	MANUAL	249	OCT 09	5	FEB 13	3 370	DEC 28	46 700	128	93.8	8.1
1978	CCCCCCCCCCCC	MANUAL	137	APR 20	3	DEC 31	1 810	APR 21	23 800	64.8	91.4	8.0
1979	CCCCCCCCCCCC	MANUAL	427	APR 10	2	OCT 21	7 850	JAN 03	62 400	171	97.5	9.4
1980	CCCCCCCCCCCC	MANUAL	232	APR 05	1	FEB 03	1 530	APR 05	18 800	53.5	94.3	9.6
1981	CCCCCCCCCCCC	MANUAL	781	OCT 08	2	JUL 31	11 500	FEB 12 *	88 200 *	190	101	10.4
1982	CCCCCCCCCCCC	MANUAL	200	APR 01	2	MAY 29	2 180	APR 01	33 700	84.8	98.5	10.3
1983	CCCCCCCCCCCC	MANUAL	144	DEC 14	3	FEB 23	2 200	DEC 14	24 700	87.7	95.7	10.0
1984	CCCCCCCCCCCC	MANUAL	828	APR 06 *	1	MAR 05	3 910	APR 06	43 700	119	97.9	9.4
1985	CCCCCCCCCCCC	MANUAL	335	MAY 22	1	JAN 02	1 400	APR 07	14 300	39.1	84.6	9.7

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

* - EXTREME FOR PERIOD OF RECORD

NEW BRUNSWICK

NARROWS MOUNTAIN BROOK NEAR NARROWS MOUNTAIN - STATION NO. 01AL004

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 45 18 36 N LONG 67 01 17 W
DRAINAGE AREA: 3.69 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 4.09 TONNES FOR THE PERIOD APR 01 TO OCT 31

REMARKS:

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.120 E	2	0.02	0.103	1	0.01	0.082	2	0.01	1
2	0.086 E	2	0.02	0.085	1	0.01	0.080	2	0.01	2
3	0.087	1	0.01	0.078	1	0.01	0.058	1	0	3
4	0.089	1	0.01	0.078	1	0.01	0.046	1	0	4
5	0.088	1	0.01	0.088	1	0.01	0.041	1	0	5
6	0.098	2	0.02	0.089	1	0.01	0.056	2	0.01	6
7	0.120 E	6	0.06	0.108	3	0.03	0.073	2	0.01	7
8	0.235 E	2	0.04	0.148	2	0.03	0.045	2	0.01	8
9	0.180 E	1	0.02	0.123	2	0.02	0.039	2	0.01	9
10	0.181 E	2 S	0.03	0.112	2	0.02	0.040	2	0.01	10
11	0.148 E	1	0.01	0.114	1	0.01	0.038	2	0.01	11
12	0.120 E	1	0.01	0.085	1	0.01	0.031	2	0.01	12
13	0.118 E	1	0.01	0.098	1	0.01	0.035	2	0.01	13
14	0.114 E	1	0.01	0.260	2 S	0.05	0.047	3	0.01	14
15	0.140 E	4	0.05	0.187	1	0.01	0.033	2	0.01	15
16	0.847	9	0.50	0.115	1	0.01	0.030	2	0.01	16
17	0.858	8	0.57	0.106	1	0.01	0.027	2	0	17
18	0.401	3	0.10	0.289	4 S	0.10	0.029	2	0.01	18
19	0.321	2	0.06	0.275	2	0.05	0.055	3	0.01	19
20	0.340	2	0.06	0.189	1	0.01	0.037	2	0.01	20
21	0.313	1	0.03	0.151	2	0.03	0.029	2	0.01	21
22	0.260	1	0.02	0.150	1	0.01	0.025	2	0	22
23	0.216	1	0.02	0.141	1 S	0.01	0.022	2	0	23
24	0.190	1 S	0.02	0.103	1	0.01	0.070	6 E	0.04	24
25	0.180	1	0.02	0.098	1	0.01	0.187	7 S	0.11	25
26	0.168	1	0.01	0.184	3 S	0.04	0.112	4	0.04	26
27	0.151	1	0.01	0.120	1	0.01	0.089	2	0.01	27
28	0.131	1	0.01	0.120	1	0.01	0.068	3	0.01	28
29	0.115	1	0.01	0.084	1	0.01	0.052	2	0.01	29
30	0.099	1	0.01	0.071	1 S	0.01	0.057	3	0.01	30
31				0.080	1	0.01				31
TOTAL	8.303		1.88	3.818		0.59	1.587		0.40	TOTAL

DAY	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m³/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m³/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	0.037	2	0.01	0.384	7 S	0.22	0.013	1	0	1
2	0.028	2	0.01	0.122	3	0.03	0.013	1	0	2
3	0.027	2 S	0	0.080	2	0.01	0.013	1	0	3
4	0.026	2	0	0.048	2	0.01	0.023	2	0	4
5	0.023	2	0	0.034	2	0.01	0.028	1	0	5
6	0.020	2	0	0.031	2	0.01	0.022	1	0	6
7	0.040	7 S	0.02	0.026	2	0	0.019	1	0	7
8	0.084	6	0.04	0.028	2	0	0.016	1	0	8
9	0.059	2	0.01	0.028	2	0	0.013	1	0	9
10	0.052	6 S	0.05	0.024	1	0	0.012	1 S	0	10
11	0.302	9 S	0.23	0.022	1	0	0.022	2	0	11
12	0.100	2	0.02	0.021	1	0	0.018	1	0	12
13	0.058	2	0.01	0.019	1	0	0.013	1	0	13
14	0.049	4	0.02	0.017	3 S	0	0.012	1	0	14
15	0.080	4	0.03	0.016	2	0	0.012	1	0	15
16	0.118	7	0.07	0.028	2	0	0.011	1	0	16
17	0.072	3	0.01	0.020	1	0	0.011	1	0	17
18	0.047	2	0.01	0.018	1	0	0.010	1	0	18
19	0.041	2	0.01	0.014	1	0	0.010	1	0	19
20	0.048	3	0.01	0.020	1	0	0.010	1	0	20
21	0.034	2	0.01	0.030	1	0	0.008	1	0	21
22	0.048	4	0.02	0.018	1	0	0.008	1	0	22
23	0.083	4	0.03	0.013	1	0	0.010	1	0	23
24	0.043	3	0.01	0.014	1	0	0.010	1	0	24
25	0.029	3	0.01	0.013	1	0	0.080	6 S	0.05	25
26	0.028	2	0	0.013	1	0	0.037	2	0.01	26
27	0.036	2	0.01	0.017	1	0	0.038	3	0.01	27
28	0.028	2	0	0.014	1	0	0.105	4	0.04	28
29	0.027	2	0	0.016	2	0	0.039	2	0.01	29
30	0.053	4	0.02	0.012	1	0	0.028	1	0	30
31	0.034	2 S	0.01	0.012	1	0				31
TOTAL	1.763		0.59	1.119		0.39	0.884		0.13	TOTAL

E - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NEW BRUNSWICK

NARROWS MOUNTAIN BROOK NEAR NARROWS MOUNTAIN - STATION NO. 01AL004

SUSPENDED SEDIMENT FOR 1985

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.022	1	0							1
2	0.019	1	0							2
3	0.018	1 S	0							3
4	0.017	1	0							4
5	0.015	1	0							5
6	0.085	5	0.03							6
7	0.032	2	0.01							7
8	0.026	1	0							8
9	0.023	1	0							9
10	0.023	1	0							10
11	0.038	2	0.01							11
12	0.028	1	0							12
13	0.023	1 S	0							13
14	0.021	1	0							14
15	0.089	5 S	0.03							15
16	0.112	2	0.02							16
17	0.045	2	0.01							17
18	0.034	1	0							18
19	0.032	1	0							19
20	0.028	1	0							20
21	0.026	1	0							21
22	0.022	1	0							22
23	0.021	1	0							23
24	0.019	1	0							24
25	0.021	1	0							25
26	0.024	1	0							26
27	0.022	1	0							27
28	0.023	1	0							28
29	0.019	1	0							29
30	0.018	1	0							30
31	0.018	1 S	0							31
TOTAL	0.822		0.11							TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

NARROWS MOUNTAIN BROOK NEAR NARROWS MOUNTAIN - STATION NO. 01AL004

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
APR 10	12:26	0.5	0.314	MID	DIP	2															
APR 24	14:37	3.0	0.188	MID	DIP	1															
MAY 14	04:20		0.243	1OLB	SURF	3															
MAY 14	09:07	1.0	0.280	MID	DIP	1															
MAY 18	13:10		0.425	1OLB	SURF	3															
MAY 23	10:33	10.5	0.136	MID	DIP	1															
MAY 26	00:50		0.243	1OLB	SURF	1															
MAY 30	11:46	9.5	0.077	MID	DIP	1															
JUN 24	19:55		0.134	1OLB	SURF	4															
JUN 24	20:50		0.243	1OLB	SURF	23															
JUN 25	02:00		0.425	1OLB	SURF	18															
JUL 03	07:41	14.0	0.020	MID	DIP	2															
JUL 07	21:40		0.136	1OLB	SURF	37															
JUL 10	21:20		0.243	1OLB	SURF	38															
JUL 11	02:25		0.711	1OLB	SURF	19															
JUL 31	08:50	12.5	0.081	MID	DIP	2															
AUG 01	01:30		0.134	1OLB	SURF	12															
AUG 01	04:05		0.243	1OLB	SURF	9															
AUG 01	07:00		0.425	1OLB	SURF	13															
AUG 14	10:03	14.0	0.037	MID	DIP	2															
SEP 10	08:00	10.0	0.011	MID	DIP	1															
SEP 25	07:25		0.134	1OLB	SURF	33															
OCT 03	08:54	12.0	0.018	MID	DIP	1															
OCT 15	19:10		0.134	1OLB	SURF	17															
OCT 16	22:00		0.243	1OLB	SURF	17															
OCT 31	08:07	1.0	0.018	MID	DIP	1															

NOTE : SINGLE VERTICAL LOCATED AT MID (MID STREAM) FOR 1985

NARROWS MOUNTAIN BROOK NEAR NARROWS MOUNTAIN - STATION NO. 01AL004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)
1974	---PCCCCCP--	DUAL	13	AUG 04	1	JUL 11 *	1.36	MAY 01	5.85
1975	---PCCCCCC--	DUAL	5	MAY 01	1	MAY 05	0.43	MAY 11	4.10
1976	---CCCCCCC--	DUAL	10	JUL 12	1	APR 15	2.15	AUG 10	13.8
1977	---CCCCCCC--	DUAL	17	JUN 20	3	SEP 01	1.29	JUN 05	21.8 *
1978	---CCCCCC---	DUAL	38	JUN 04	1	MAY 11	0.41	JUN 08	7.40
1979	--PCCCCCCC--	DUAL	33	AUG 13	1	MAY 02	1.06	AUG 13	12.0
1980	---PCCCCCC--	MANUAL	24	APR 11	1	MAY 11	1.76	APR 11	7.28
1981	---CCCCCCC--	MANUAL	20	SEP 19	1	APR 28	0.63	APR 05	10.2
1982	---CCCCCCC--	MANUAL	24	JUN 02	1	AUG 19	1.00	APR 18	9.78
1983	---CCCCCCC--	MANUAL	32	APR 17	1	APR 15	2.80	APR 18 *	10.4
1984	---CCCCCCC--	MANUAL	45	JUN 15 *	1	APR 26	0.60	APR 07	7.68
1985	---CCCCCCC--	MANUAL	38	JUL 10	1	APR 24	0.87	APR 17	4.08

SUMMARY : APR-OCT			
	MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
	---	---	---
	---	---	---
	0.06	0.06	---
	0.10	0.08	25.0
	---	---	---
	0.05	0.07	21.8
	---	---	---
	0.05	0.07	17.5
	0.05	0.06	16.2
	0.05	0.06	13.6
	0.04	0.06	12.5
	0.02	0.05	16.0

DUAL - MANUAL AND AUTOMATIC SAMPLING MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH

* - EXTREME FOR PERIOD OF RECORD

NORTH NASHWAAKSIS STREAM NEAR ROYAL ROAD - STATION NO. 01AK005

MONTHLY AND ANNUAL TOTAL VOLUMETRIC BED LOAD IN CUBIC METRES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	YEAR
1967	0	0	0	0	0	0	0	0	0	0	3.8	0	3.8	1967
1968	0	0	0	1.5	0	0	0	0	0	0	0	0	1.5	1968
1969	0	0	0	0	0	0	0	0	0	0	0	0	0.0	1969
1970	---	0.2	---	---	---	---	---	---	---	---	---	---	---	1970
1976	0	0	1.1	4.2	0.8	0	0.8	0	0	0	0	0	5.9	1976
MEAN	0	0	0.3	1.4	0.2	0	0.2	0	0	0	1.0	0	3.1	MEAN

BED LOAD MEASURED BY VOLUMETRIC METHOD. MONTHLY DISTRIBUTION ESTIMATED

NEW BRUNSWICK

SOUTHWEST MIRAMICHI RIVER AT BLACKVILLE - STATION NO. 01BO001

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 46 44 10 N LONG 65 49 36 W
DRAINAGE AREA: 5 050 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD IS 100 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	32.0 B	1	2.78	16.0 B	1	1.38	23.0 B	2	3.97	1
2	30.0 B	1	2.59	15.8 B	1	1.35	25.0 B	2	4.32	2
3	29.0 B	1	2.51	15.0 B	1	1.30	28.0 B	2	4.84	3
4	28.0 B	1	2.42	14.8 B	1	1.28	32.0 B	2	5.53	4
5	27.0 B	1	2.33	14.5 B	1	1.25	30.0 B	2	5.18	5
6	26.0 B	1	2.25	14.3 B	1	1.24	28.0 B	2	4.84	6
7	25.0 B	1	2.16	16.0 B	1	1.38	26.0 B	2	4.49	7
8	24.5 B	1	2.12	17.3 B	1	1.49	25.1 B	2	4.34	8
9	23.5 B	1	2.03	16.0 B	1	1.38	23.5 B	2	4.06	9
10	23.0 B	1	1.99	15.0 B	1	1.30	22.0 B	2	3.80	10
11	22.9 B	1	1.98	14.5 B	1 S	1.25	21.6 B	2	3.73	11
12	22.0 B	1	1.90	13.5 B	1	1.17	21.3 B	2	3.68	12
13	21.5 B	1	1.86	15.0 B	1	1.38	34.0 B	2	5.88	13
14	21.0 B	1	1.81	20.0 B	1	1.73	80.0 B	3	15.8	14
15	20.0 B	1	1.73	23.5 B	1	2.03	89.0 B	3	23.1	15
16	19.5 B	1	1.68	33.0 B	1	2.85	82.0 B	3	21.3	16
17	18.7 B	1	1.62	37.0 B	1	3.20	78.0 B	3	20.2	17
18	18.0 B	1	1.56	27.0 B	2	4.67	74.0 B	3	19.2	18
19	17.8 B	1	1.54	25.0 B	2	4.32	70.0 B	3	18.1	19
20	17.2 B	1	1.49	24.0 B	2	4.15	67.0 B	3	17.4	20
21	17.0 B	1	1.47	23.0 B	2	3.97	83.0 B	3	18.3	21
22	16.8 B	1	1.45	22.0 B	2	3.80	80.0 B	3	15.6	22
23	16.5 B	1	1.43	21.0 B	2	3.63	58.0 B	3	15.0	23
24	16.0 B	1	1.38	20.5 B	2	3.54	56.0 B	3	14.5	24
25	15.9 B	1	1.37	19.5 B	2	3.37	54.0 B	3	14.0	25
26	15.6 B	1	1.37	19.1 B	2	3.30	52.0 B	3	13.5	26
27	15.6 B	1	1.37	19.5 B	2	3.37	49.0 B	3	12.7	27
28	15.6 B	1	1.37	19.8 B	2	3.42	48.0 B	3	12.4	28
29	15.7 B	1	1.38				47.5 B	3	12.3	29
30	15.5 B	1	1.34				80.0 B	4	20.7	30
31	15.5 B	1	1.34				70.0 B	4	24.2	31
TOTAL	842.9		55.56	552.4		88.50	1 477.0		384.78	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	90.0 B	4	31.1	247	3 S	84.0	117	5 S	50.5	1
2	80.0 B	4	27.6	233	3 S	80.4	185	5 S	80.4	2
3	75.0 B	3	19.4	212	2 S	38.6	144	5	62.2	3
4	70.0 B	3	18.1	188	4 S	85.0	123	4 S	42.5	4
5	67.0 B	3	17.4	169	4 S	58.4	104	3 S	27.0	5
6	75.0 B	3	19.7	156	2 S	27.0	88.5	4	34.4	6
7	150 B	5	64.8	147	3 S	38.1	152	7 S	81.9	7
8	225 B	11	214	169	2 S	29.2	227	11 S	216	8
9	224	11	215	196	2 S	33.7	173	5 S	74.7	9
10	184	10	159	187	2 S	32.3	136	5 S	58.3	10
11	162	9	126	183	2 S	31.6	121	3 S	31.4	11
12	141	8	110	187	3 S	48.5	111	2 S	19.2	12
13	120	8	82.8	171	2 S	29.5	89.2	2 S	17.1	13
14	107	7	64.7	191	3 S	49.5	84.8	2 S	18.3	14
15	109	6	67.1	237	5 S	102	82.7	2 S	16.0	15
16	123	6	63.8	208	4 S	71.2	86.8	2 S	16.0	16
17	288	17	384	176	2 S	30.2	77.0	2 S	13.3	17
18	301	12	312	189	3 S	49.0	75.0	2 S	13.0	18
19	274	5	118	317	8 S	219	74.0	2 S	12.8	19
20	245	5	106	327	6 S	170	77.3	2	13.4	20
21	232	5	100	281	4 S	90.2	73.8	2 S	12.7	21
22	234	5	101	226	4 S	78.1	67.9	2 S	11.7	22
23	234	5	101	205	3 S	53.1	60.2	1 S	5.20	23
24	229	5	98.9	181	3 S	46.8	55.1	1 S	4.76	24
25	228	5	98.5	162	2 S	28.0	127	23 S	252	25
26	235	8	122	173	3 S	44.8	212	20 S	388	26
27	283	7	153	165	2 S	32.0	175	6 S	90.7	27
28	288	9	209	164	4 S	58.7	137	4 S	47.3	28
29	270	12 S	280	151	4 S	52.2	119	3 S	30.8	29
30	263	5 S	114	131	3 S	34.0	117	3 S	30.3	30
31				114	3 S	29.5				31
TOTAL	5 540.0		3 588.0	5 039		1 780.7	3 482.0		1 758.85	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

SOUTHWEST MIRAMICHI RIVER AT BLACKVILLE - STATION NO. 01BO001

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	122									
2	88.4	3 S	31.8	59.4	1	5.13	23.2	1	2.00	1
3	80.8	3 S	26.5	52.5	1 S	7.89	22.8	1	1.97	2
4	74.4	2	14.0	86.4	2	17.0	23.6	1	2.04	3
5	73.6	2 S	12.9	72.5	1 S	8.28	23.1	1	2.00	4
		3 S	19.1	54.5	1	4.71	24.3	1	2.10	5
6	65.9									
7	58.8	2 S	11.4	46.1	1	3.98	25.8	1	2.23	6
8	57.3	5 S	25.4	41.3	1 S	3.57	26.9	1	2.32	7
9	76.7	2 S	8.90	38.2	1	3.30	25.6	1	2.23	8
10	84.0	3 S	19.8	37.8	1 S	3.27	24.5	1	2.12	9
		3 S	21.8	38.0	1	3.28	22.5	1	1.94	10
11	110									
12	187	8 S	76.0	36.4	1	3.14	22.6	1	1.95	11
13	120	8 S	109	34.6	1	2.89	23.2	1	2.00	12
14	90.2	3	31.1	34.4	1 S	2.97	23.8	1	2.06	13
15	73.7	1	7.78	33.4	1	2.89	23.4	1	2.02	14
		1	6.37	32.3	1	2.79	21.9	1	1.89	15
16	73.6									
17	149	2 S	12.7	31.9	1	2.76	20.1	1	1.74	16
18	166	7 S	90.1	32.6	1	2.82	19.7	1	1.70	17
19	118	8 S	108	34.3	1	2.96	19.9	1	1.72	18
20	88.8	5	51.0	31.9	1 S	2.76	18.5	1	1.60	19
		4 S	30.7	30.1	1	2.60	18.1	1	1.56	20
21	74.2									
22	66.8	5 S	32.1	30.2	1	2.61	18.3	1	1.58	21
23	61.6	6	28.9	30.6	1	2.64	18.1	1	1.56	22
24	59.2	3 S	16.0	30.3	1	2.62	18.8	1 S	1.37	23
25	52.8	2	10.2	29.7	1	2.57	13.9	1	1.20	24
		1	4.56	29.0	1	2.51	16.3	1	1.41	25
26	48.5									
27	44.3	1	4.19	26.9	1	2.32	21.3	1	1.84	26
28	42.5	1 S	3.83	27.0	1	2.33	29.1	1	2.51	27
29	41.5	1	3.67	26.9	1	2.32	26.1	1	2.43	28
30	42.4	1	3.59	26.8	1	2.30	32.5	2	5.62	29
31	48.8	1 S	3.66	25.6	1	2.21	37.1	1	3.21	30
		1	4.22	24.3	1	2.10				31
TOTAL	2 510.8		829.18	1 217.7		113.70	684.2		61.92	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	32.6	1	2.82	18.9	1	1.83	54.0 B	3	14.0	1
2	28.0	1	2.42	19.2	1	1.86	85.0 B	3	18.6	2
3	24.6	1	2.12	19.4	1 S	1.88	100 B	3	25.8	3
4	23.3	1	1.93	19.3	1	1.87	118 B	4	40.8	4
5	21.2	1	1.83	19.0	2	3.28	87.0 B	4	30.1	5
6	21.6	1	1.87	23.5	5	10.2	88.0 B	3	17.6	6
7	25.1	1	2.17	112	32 S	310	82.0 B	3	18.1	7
8	28.7	1	2.48	207	24 S	429	57.0 B	2	9.85	8
9	26.8	1 S	2.24	143	8 S	98.6	55.0 B	2	9.50	9
10	23.5	1 S	2.03	101	3 S	26.2	52.0 B	2	8.99	10
11	23.9	1	2.06	78.9	3	20.5	50.0 B	2	8.64	11
12	25.2	1	2.18	65.5	2	11.4	48.0 B	1	4.15	12
13	27.3	1	2.36	56.4	1	4.87	47.0 B	1	4.06	13
14	25.9	1 S	2.24	61.9	1	5.35	45.0 B	1	3.89	14
15	24.9	1 S	2.15	76.6	1 S	6.53	44.0 B	1	3.80	15
16	29.0	2 S	5.01	80.4	1	5.22	42.0 B	1	3.63	16
17	46.6	8 S	25.2	47.9	1	4.14	41.0 B	1	3.54	17
18	45.7	3 S	11.8	87.3	2	11.8	40.0 B	1	3.46	18
19	37.1	2	6.41	97.0	6	80.3	39.0 B	1	3.37	19
20	31.6	2	5.46	81.0	2	15.7	38.0 B	1	3.28	20
21	28.2	2	4.87	82.6	2 S	18.0	38.5 B	1	3.15	21
22	25.6	2	4.42	108	2	18.3	36.0 B	1	3.11	22
23	23.8	2	4.13	98.2	2	16.8	35.5 B	1	3.07	23
24	22.9	2	3.98	78.3	2	13.7	34.5 B	1	2.98	24
25	21.6	2 S	3.73	66.1	1	5.71	34.0 B	1	2.94	25
26	21.5	2	3.72	52.9	1	4.87	37.0 B	1	3.20	26
27	22.4	2	3.87	38.3	1	3.31	38.5 B	1	3.33	27
28	22.9	2	3.96	47.6	1	4.13	37.0 B	1	3.20	28
29	21.8	1	1.88	42.0 B	1	3.63	36.0 B	1	3.11	29
30	20.5	1	1.77	48.0 B	2	7.86	35.0 B	1	3.02	30
31	18.4	1	1.58				34.0 B	1	2.94	31
TOTAL	822.3		124.88	2 051.8		1 113.83	1 846.0		285.51	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NEW BRUNSWICK

SOUTHWEST MIRAMICHI RIVER AT BLACKVILLE - STATION NO. 01BO001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
FEB 11	13:00	0.0	14.5	MID	D49	1															
APR 29	19:30	8.0	270	MID	D49	12															
APR 30	19:11	9.0	263	MID	D49	2															
MAY 01	20:15	10.0	247	MID	D49	3															
MAY 02	19:17	10.0	233	MID	D49	2															
MAY 03	19:40	8.0	212	MID	D49	1															
MAY 04	20:02	8.0	186	MID	D49	5															
MAY 05	20:28	9.0	188	MID	D49	3															
MAY 06	19:25	10.0	186	MID	D49	2															
MAY 07	18:00	8.0	147	MID	D49	2															
MAY 08	18:50	6.0	189	MID	D49	2															
MAY 09	20:03	8.0	195	MID	D49	2															
MAY 10	20:43	10.0	187	MID	D49	2															
MAY 11	17:07	12.0	183	MID	D49	2															
MAY 12	17:20	10.0	187	MID	D49	3															
MAY 13	18:07	8.0	171	MID	D49	1															
MAY 14	18:53	9.0	191	MID	D49	3															
MAY 15	20:45	10.0	237	MID	D49	4															
MAY 16	19:26	13.0	206	MID	D49	2															
MAY 17	20:45	11.0	178	MID	D49	1															
MAY 18	20:19	13.0	169	MID	D49	3															
MAY 19	19:38	13.0	317	MID	D49	8															
MAY 20	21:31	14.0	327	MID	D49	3															
MAY 21	20:52	14.0	261	MID	D49	3															
MAY 22	20:35	14.0	228	MID	D49	2															
MAY 23	20:15	15.0	205	MID	D49	2															
MAY 24	20:59	15.0	181	MID	D49	1															
MAY 25	20:28	16.0	162	MID	D49	1															
MAY 26	20:47	16.0	173	MID	D49	3															
MAY 27	14:27	16.0	186	MID	D49	1															
MAY 27	19:04	16.0	185	MID	D49	3															
MAY 28	20:17	15.0	164	MID	D49	4															
MAY 29	20:56	15.0	151	MID	D49	4															
MAY 30	20:59	15.0	131	MID	D49	3															
MAY 31	18:41	15.0	114	MID	D49	3															
JUN 01	19:05	16.0	119	MID	D49	5														37	
JUN 02	21:16	11.0	186	MID	D49	6															
JUN 04	21:28	13.0	123	MID	D49	4															
JUN 06	21:33	17.0	104	MID	D49	3															
JUN 07	19:18	12.0	152	MID	D49	7															
JUN 08	19:34	14.0	227	MID	D49	9															
JUN 09	21:15	15.0	173	MID	D49	5															
JUN 10	21:03	15.0	136	MID	D49	5															
JUN 11	21:18	15.0	121	MID	D49	2															
JUN 12	20:56	14.5	111	MID	D49	2															
JUN 13	21:17	17.5	99.2	MID	D49	1															
JUN 14	21:28	17.5	94.8	MID	D49	3															
JUN 15	21:04	15.0	92.7	MID	D49	1															
JUN 16	21:23	17.0	86.8	MID	D49	2															
JUN 17	21:10	16.5	77.0	MID	D49	2															
JUN 18	19:52	10.5	76.0	MID	D49	2															
JUN 19	21:21	11.5	74.0	MID	D49	2														41	
JUN 21	21:16	17.5	73.8	MID	D49	2															
JUN 22	21:15	11.0	87.8	MID	D49	2															
JUN 23	19:35	16.5	80.2	MID	D49	1															
JUN 24	20:52	16.5	88.1	MID	D49	1															
JUN 25	20:54	17.0	127	MID	D49	37															
JUN 26	20:12	14.5	212	MID	D49	8															
JUN 27	19:28	14.5	176	MID	D49	5															
JUN 28	20:50	14.5	137	MID	D49	3															
JUN 29	20:24	15.0	118	MID	D49	3															
JUN 30	21:31	17.0	117	MID	D49	3															
JUL 01	20:59	20.0	122	MID	D49	3														50	
JUL 02	21:11	20.0	88.4	MID	D49	2															
JUL 04	09:53	19.0	74.4	MID	D49	2															
JUL 04	21:04	22.0	74.4	MID	D49	2															
JUL 05	19:25	22.0	73.5	MID	D49	3															
JUL 06	21:03	23.0	85.9	MID	D49	2															
JUL 07	20:02	22.5	88.8	MID	D49	5															
JUL 08	10:40	17.5	87.3	MID	D49	2															
JUL 08	18:42	20.5	87.3	MID	D49	1															
JUL 09	17:35	21.0	78.7	MID	D49	3														41	
JUL 10	20:31	20.0	84.0	MID	D49	3															
JUL 11	21:42	19.5	110	MID	D49	11															
JUL 12	21:18	18.0	187	MID	D49	5															
JUL 16	20:01	23.0	73.6	MID	D49	2															
JUL 17	20:35	22.0	149	MID	D49	9															
JUL 18	20:44	20.0	156	MID	D49	7															
JUL 20	20:46	23.0	88.8	MID	D49	4															
JUL 21	21:01	22.0	74.2	MID	D49	5															
JUL 23	21:00	20.0	61.6	MID	D49	3															
JUL 27	21:33	22.5	46.3	MID	D49	1														54	
JUL 30	20:45	21.0	42.4	MID	D49	1															
AUG 02	20:43	19.0	92.5	MID	D49	2															
AUG 04	20:47	21.0	72.5	MID	D49	1															
AUG 07	20:45	22.5	41.3	MID	D49	1															
AUG 09	20:26	21.0	37.8	MID	D49	1															
AUG 13	20:59	21.0	34.4	MID	D49	1															
AUG 18	09:26	18.0	31.9	MID	D49	1															
AUG 18	11:50	18.0	31.9	MID	D49	1															
SEP 23	14:48	14.0	11.8	MID	D49	1														71	
SEP 23	15:00	14.0	11.8	MID	D49	3															
OCT 09	13:24	12.0	26.7	MID	D49	2															
OCT 10	21:03	12.0	23.5	MID	D49	1															
OCT 14	13:35	9.0	28.7	MID	D49	1															
OCT 15	14:00	10.0	24.1	MID	D49	1															
OCT 16	13:05	6.0	28.8	MID	D49	2															
OCT 17	12:00	6.0	45.5	MID	D49	7															
OCT 17	14:05	6.0	52.6	MID	D49	7															
OCT 18	09:20	5.0	49.2	MID	D49	3															
OCT 18	14:00	5.0	46.5	MID	D49	2															
OCT 25	14:40	9.0	21.1	MID	D49	1															
NOV 03	09:00	7.0	19.1	MID	D49	1															

NOTE : SINGLE VERTICAL LOCATED AT MID (MID STREAM) FOR 1985

CONTINUED

SOUTHWEST MIRAMICHI RIVER AT BLACKVILLE - STATION NO. 01BD001 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
NOV 07	15:43	6.0	143	MID	D49	41															
NOV 08	09:55	6.0	221	MID	D49	26															
NOV 09	15:26	5.0	140	MID	D49	6	52														
NOV 10	12:08	4.0	101	MID	D49	3															
NOV 15	11:30	4.0	75.8	MID	D49	1															
NOV 21	15:50	2.0	95.4	MID	D49	34															

NOTE : SINGLE VERTICAL LOCATED AT MID (MID STREAM) FOR 1985

SOUTHWEST MIRAMICHI RIVER AT BLACKVILLE - STATION NO. 01BD001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : APR-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1975	---PCCP-----	MANUAL	27	MAY 05	2	JUL 11	1 830	MAY 05	18 800	---	---	---
1984	---CCCCCCCCC	MANUAL	19	NOV 14	1	MAY 21 *	2 350	JUN 03 *	30 700 *	112	112	---
1985	CCCCCCCCCCCC	MANUAL	41	NOV 07 *	1	FEB 11	429	NOV 08	10 100	35.1	73.8	53.2

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

NEWFOUNDLAND

HARRYS RIVER BELOW HIGHWAY BRIDGE - STATION NO. 02YJ001

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 48 34 31 N LONG 56 21 48 W
DRAINAGE AREA: 940 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 9 340 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	16.4 B	30	42.6	6.40 B	5	3.63	9.40 B	5	4.06	1
2	15.8 B	30	41.2	6.20 B	5	3.84	11.6 B	5 5	5.10	2
3	15.4 B	30	39.9	6.10 B	5	3.50	14.5 B	5	6.26	3
4	15.0 B	30	38.8	6.00 B	5	3.48	17.5 B	5	7.55	4
5	14.6 B	31 5	39.1	7.85 B	5	3.38	17.1 B	5	7.39	5
6	14.4 B	34	42.3	7.70 B	5	3.33	16.6 B	5	7.17	6
7	13.9 B	46	55.2	7.59 B	5 5	3.39	16.0 B	5	6.91	7
8	13.6 B	48	56.4	7.60 B	5	3.34	15.5 B	5	6.04	8
9	13.3 B	41	47.1	7.35 B	5	3.18	15.0 B	5	6.48	9
10	13.9 B	34	39.8	7.35 B	5	3.13	14.6 B	5	6.31	10
11	13.6 B	37	38.4	7.10 B	5	3.07	14.0 B	5	6.05	11
12	13.4 B	21	33.5	7.00 B	5	3.02	13.7 B	5	6.02	12
13	13.1 B	17	17.8	6.85 B	5	2.98	13.2 B	5	5.70	13
14	11.6 B	14	14.3	7.60 B	5	3.37	12.8 B	5	5.53	14
15	11.6 B	11	11.0	8.80 B	4	3.04	13.4 B	4	4.39	15
16	11.4 B	9	8.88	10.0 B	4 5	3.46	12.1 B	3	3.14	16
17	11.1 B	8	7.67	11.3 B	5	4.66	11.7 B	3	2.02	17
18	10.8 B	8	5.85	13.0 B	5	5.74	11.4 B	3	1.97	18
19	10.6 B	5	4.93	12.7 B	5	6.58	11.1 B	3 5	1.83	19
20	10.4 B	4	3.93	12.3 B	5	5.31	10.8 B	3	2.80	20
21	10.3 B	4	3.96	11.8 B	5	5.14	10.5 B	3	2.73	21
22	10.1 B	4	3.49	11.4 B	5	4.92	10.3 B	4	3.55	22
23	9.85 B	5	4.26	11.1 B	5	4.80	10.0 B	4	3.46	23
24	9.70 B	4	3.35	10.8 B	5	5.60	9.80 B	4	3.38	24
25	9.50 B	5	4.10	10.5 B	6	5.44	9.90 B	5	4.10	25
26	9.30 B	5 5	4.02	10.3 B	5	4.45	9.30 B	6	4.82	26
27	9.10 B	4	3.14	9.95 B	5	4.30	9.10 B	6	4.72	27
28	9.00 B	5	3.88	9.70 B	5	4.18	8.90 B	7	5.38	28
29	8.80 B	5	3.80				8.70 B	7	5.26	29
30	8.70 B	5	3.76				8.60 B	7	5.14	30
31	8.60 B	5	3.67				8.35 B	7	5.05	31
TOTAL	383.15		606.89	360.44		114.98	374.15		183.33	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	8.15 B	6	5.83	27.8	7 5	16.6	85.5	7 5	51 8	1
2	8.00 B	11	7.60	33.1	5 5	8.99	166	16 5	243	2
3	7.85 B	11	7.46	31.7	5 5	8.62	132	8 5	94.9	3
4	7.70 B	11	7.32	39.2	7 5	23.7	116	8 5	78.5	4
5	7.85 B	9 5	8.87	55.1	6 5	25.8	130	7 5	72.8	5
6	7.45 B	5	3.22	46.0	3 5	11.7	83.2	23 5	185	6
7	7.40 B	13	7.67	37.6	7 5	22.7	278	82 5	1 980	7
8	9.20 B	18	14.3	34.3	5 5	14.6	139	18 5	201	8
9	9.00 B	17	13.2	33.6	8 5	22.5	84.7	8 5	65.5	9
10	8.75 B	17	12.9	32.2	5 5	13.9	84.0	10 5	72.8	10
11	8.60 B	16 5	11.9	40.1	5 5	17.3	72.1	8 5	49.8	11
12	8.40 B	14	10.2	61.4	4 5	17.6	63.9	7 5	38.6	12
13	8.15 B	12	8.45	46.1	8 5	23.4	63.6	7 5	32.4	13
14	7.95 B	10	6.87	38.2	7 5	33.1	66.6	7 5	37.6	14
15	7.80 B	9	6.07	39.6	4 5	13.7	39.7	8 5	27.4	15
16	13.3	8	8.89	39.6	4 5	13.7	35.8	14 5	43.1	16
17	34.5	9	26.6	48.0	8 5	31.8	31.0	16 5	42.8	17
18	36.5	8	24.5	74.0	16 5	102	26.9	16	37.3	18
19	27.1	5 5	11.7	122	26 5	285	25.1	16	34.7	19
20	21.5	3	5.87	168	17 5	214	28.8	16	40.0	20
21	18.4	3	4.77	156	14 5	219	34.1	16	31.2	21
22	17.3	2 5	3.87	163	14 5	197	21.0	15	27.2	22
23	15.9	2	2.75	161	15 5	214	18.6	14	22.5	23
24	14.9	2	2.57	188	13 5	174	18.6	13	18.9	24
25	14.8	2	2.56	153	8 5	106	15.3	10	13.2	25
26	14.9	2	2.57	145	10 5	125	14.2	10	12.3	26
27	14.6	2	2.52	139	8 5	86.9	13.4	9	10.4	27
28	17.6	2	3.06	113	8 5	58.6	12.3	8	8.50	28
29	30.4	5 5	13.1	103	8 5	71.2	12.5	9	9.72	29
30	31.1	7	18.8	94.8	9 5	73.7	18.9	15 5	24.5	30
31				84.3	7 5	51.0				31
TOTAL	463.85		261.42	3 494.4		3 388.41	1 667.8		3 597.82	TOTAL

B - ICE CONDITIONS

5 - SAMPLE(S) COLLECTED THIS DAY

NEWFOUNDLAND

HARRYS RIVER BELOW HIGHWAY BRIDGE - STATION NO. 02YJ001

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	14.4	12	14.9	8.94	9	5.40	5.39	9	4.19	1
2	13.1	11	12.5	8.98	9	5.40	4.72	8	3.26	2
3	12.1	10 S	10.5	7.48	10	6.44	5.27	10	4.55	3
4	11.8	10	10.0	8.62	10	5.72	13.5	14	16.3	4
5	10.8	10	9.33	8.23	10	5.37	8.62	8	5.89	5
6	10.1	10	8.73	5.88	10	5.08	5.87	4	2.37	6
7	10.4	11	9.88	8.76	11	5.48	5.89	4	2.04	7
8	23.4	18	36.4	5.60	10	4.75	37.7	23	74.9	8
9	18.3	14	18.5	5.32	11	5.08	20.3	21	36.6	9
10	13.3	11	11.7	8.48	11	5.18	12.9	16	17.6	10
11	10.8	11	10.3	8.83	12	5.73	11.8	12 S	12.3	11
12	10.2	11	9.88	5.32	11	5.08	37.2	19	61.1	12
13	9.56	11	9.07	8.58	12	5.79	19.8	13	22.4	13
14	9.19	10	7.81	8.84	14	6.82	13.9	10	12.0	14
15	8.78	10	7.59	8.48	18 S	7.83	11.5	9	8.94	15
16	8.81	10	7.78	6.87	14	5.01	10.5	8	7.26	16
17	10.1	10 S	8.73	6.88	12	5.03	9.48	8	6.55	17
18	12.0	11	11.4	5.16	12	5.33	8.90	8	6.15	18
19	9.88	10	8.58	6.77	11	4.53	8.46	8	5.85	19
20	9.72	11	9.36	6.67	11	4.34	8.65	7	5.17	20
21	11.4	10	9.85	6.82	11	4.38	11.1	10	9.59	21
22	9.42	9	7.32	6.58	11	4.33	9.36	9	7.28	22
23	8.58	9	6.87	6.59	11	5.23	7.95	8	5.50	23
24	7.90	8	5.46	6.61	11	5.24	7.38	8	5.10	24
25	7.25	8	5.00	6.83	10	4.17	7.37	7	4.48	25
26	6.80	8	4.70	6.64	10	3.84	7.19	7	4.35	26
27	7.11	8	4.91	6.30	10	3.72	6.84	7	4.04	27
28	7.13	8	4.93	6.32	10	3.72	6.86	7	4.03	28
29	6.79	8	4.69	6.83	11	5.54	6.30	8	3.27	29
30	6.81	8	4.76	7.73	10	6.66	6.26	7	3.79	30
31	8.03	8	8.55	8.88	9	5.18				31
TOTAL	318.89		299.67	172.20		162.09	337.80		367.23	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	8.19	8	5.20	13.8	15	17.5	8.80 S	8	5.08	1
2	8.82	8	3.07	19.5	17	28.8	11.0 S	9	8.55	2
3	8.04	7	4.85	16.2	14	18.4	51.8	21	94.2	3
4	8.81	8	8.09	13.4	11	12.7	28.2	13	29.4	4
5	9.89	8	3.63	12.3	10	10.5	18.8	12	19.5	5
6	19.0	11	18.1	11.8	10 S	10.0	15.8	12	16.5	6
7	22.3	18	36.6	11.4	11	10.6	14.4	12	14.9	7
8	13.2	13	13.7	33.6	14	28.5	14.0 S	12	14.5	8
9	10.7	11	10.3	33.9	15	31.0	13.3 S	12	13.8	9
10	8.14	10	8.72	19.4	11	18.4	12.5 S	12 S	13.0	10
11	8.38	11	7.84	15.4	10	14.2	11.9 S	11	11.3	11
12	7.85	10	6.87	14.1	10	13.2	11.2 S	11	10.6	12
13	7.62	10	6.58	13.8	10	13.0	10.8 S	10	9.33	13
14	6.83	9	5.31	14.2	9	11.0	10.1 S	9	7.85	14
15	6.79	9	5.31	13.4	9	10.4	9.80 S	10	8.47	15
16	8.79	11 S	8.38	13.5	8	8.84	9.20 S	13	10.3	16
17	10.3	13	10.6	11.8	8	8.18	9.00 S	20	15.6	17
18	9.81	12	10.3	15.5	11	14.7	8.80 S	15	11.1	18
19	9.36	11	8.80	16.9	10	14.6	8.40 S	12	8.71	19
20	9.33	11	8.76	14.3	8	9.88	8.00 S	10	6.91	20
21	8.85	10	7.88	13.8	8	8.54	7.80 S	10	6.74	21
22	7.84	10	6.85	16.0	7	9.07	7.80 S	10	6.57	22
23	7.39	10	6.37	13.2	8	8.84	7.30 S	10	6.31	23
24	7.01	10	6.06	11.8	8	8.12	7.00 S	10	6.05	24
25	7.46	12	7.79	11.4	8	5.91	6.80 S	10	5.88	25
26	22.3	21	40.6	11.1 S	8	5.75	40.0 S	13	44.9	26
27	38.7	32	94.8	10.8 S	6	5.44	35.0 S	11	33.3	27
28	31.8	18	34.1	10.0 S	6	5.18	30.0 S	10	26.8	28
29	30.6	17	30.1	9.60 S	6	4.92	27.0 S	10	23.3	29
30	18.9	17	24.6	9.00 S	7	5.44	25.0 S	9	19.4	30
31	16.1	18	19.9				23.0 S	9	17.9	31
TOTAL	369.96		419.38	422.30		388.89	500.30		536.85	TOTAL

S - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NEWFOUNDLAND

HARRYS RIVER BELOW HIGHWAY BRIDGE - STATION NO. 02YJ001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 05	10:15	0.0	14.6	B	15.0	DH48	34	118														
JAN 28	08:50	0.0	9.30	B	15.0	DH48	5															
FEB 07	13:29	0.0	7.59	B	15.0	DH48	4															
FEB 18	11:10	0.0	10.0	B	15.0	DH48	3	110														
MAR 02	11:50	0.0	11.8	B	15.0	DH48	5															
MAR 19	14:05	0.0	11.1	B	15.0	DH48	1															
APR 05	13:11	0.0	7.55	B	15.0	DH48	10	117														
APR 11	12:20	0.0	8.60	B	15.0	DH48	29															
APR 19	14:22	0.0	27.1		15.0	DH48	5															
APR 22	10:27	0.5	17.2		15.0	DH48	2															
APR 29	11:35	3.0	30.4		15.0	DH48	6															
MAY 01	09:25	2.5	27.8		15.0	DH48	8															
MAY 02	13:43	4.0	23.1		15.0	DH48	2															
MAY 03	13:45	6.3	21.7		15.0	DH48	4															
MAY 04	12:28	6.0	39.2		15.0	DH48	8															
MAY 05	12:01	2.0	59.1		15.0	DH48	4															
MAY 06	11:56	4.0	45.0		15.0	DH48	2															
MAY 07	08:23	0.5	37.5		15.0	DH48	8															
MAY 08	07:21	1.2	34.3		15.0	DH48	4															
MAY 09	08:03	1.3	32.5		15.0	DH48	8															
MAY 10	07:51	1.0	32.2		15.0	DH48	7															
MAY 11	07:05	1.8	40.1		15.0	DH48	3															
MAY 12	13:05	5.5	51.4		15.0	DH48	3															
MAY 13	10:38	1.5	45.1		15.0	DH48	7															
MAY 14	18:14	7.5	38.2		15.0	DH48	8															
MAY 15	17:43	6.0	39.5		15.0	DH48	3															
MAY 16	14:45	5.0	38.8		50.0	D48	85															
MAY 17	19:11	5.5	46.0		15.0	DH48	10															
MAY 18	18:16	4.0	74.0		15.0	DH48	17															
MAY 19	12:31	4.5	122		15.0	DH48	8															
MAY 20	12:51	3.5	146		15.0	DH48	11	61														
MAY 21	10:34	5.5	156		15.0	DH48	17															
MAY 22	10:15	4.5	163		15.0	DH48	14															
MAY 23	10:26	5.5	191		15.0	DH48	22															
MAY 24	10:21	5.0	188		15.0	DH48	7															
MAY 25	10:28	6.5	153		15.0	DH48	13															
MAY 26	13:15	5.5	145		15.0	DH48	8															
MAY 27	12:52	5.5	129		15.0	DH48	3															
MAY 28	08:40	8.0	113		15.0	DH48	7															
MAY 29	08:30	4.0	103		15.0	DH48	6															
MAY 29	09:26	4.0	103		50.0	D48	13	55														
MAY 30	07:12	3.0	84.6		50.0	D48	9															
MAY 31	08:08	3.0	84.3		50.0	D48	6															
JUN 01	13:22	4.2	85.8		50.0	D48	5															
JUN 02	09:14	4.5	156		15.0	DH48	22															
JUN 03	09:12	5.0	132		50.0	D48	7															
JUN 04	13:28	6.4	115		50.0	D48	7															
JUN 05	13:35	7.5	120		50.0	D48	4															
JUN 06	07:08	5.2	93.2		50.0	D48	5															
JUN 07	08:25	5.7	279		15.0	DH48	103															
JUN 08	08:22	5.2	129		50.0	D48	15	77														
JUN 09	10:05	6.3	94.7		50.0	D48	6															
JUN 10	13:25	6.3	84.0		50.0	D48	13															
JUN 11	09:05	5.5	72.1		50.0	D48	4															
JUN 12	08:55	5.8	63.7		50.0	D48	19															
JUN 13	09:20	6.0	53.5		50.0	D48	9															
JUN 14	08:20	7.0	45.6		50.0	D48	7															
JUN 15	08:12	6.0	39.7		50.0	D48	6															
JUN 16	10:10	8.5	35.6		50.0	D48	14															
JUN 17	09:10	7.5	31.0		50.0	D48	17															
JUN 30	10:08	12.5	18.9		50.0	D48	15	105														
JUL 03	11:30	13.5	12.1		15.0	DH48	17															
JUL 17	09:45	16.0	10.1		15.0	DH48	10															
AUG 15	10:20	12.5	5.45		50.0	D48	16															
SEP 11	09:30	12.0	11.8		15.0	DH48	13															
OCT 16	10:00	8.0	6.79		50.0	D48	12															
NOV 08	12:15	5.0	11.8		50.0	D48	10	120														
DEC 10	10:45	0.5	12.5		50.0	D48	12															

NOTE : SINGLE VERTICAL LOCATED AT 25.0 METRES FOR 1985

DISCHARGE SYMBOL(S). B - ICE CONDITIONS

HARRYS RIVER BELOW HIGHWAY BRIDGE - STATION NO. 02YJ001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1979	-PPP--PCCCCC	MANUAL	12	APR 25	1	JUL 10 *	87.4	NOV 11	1 030	---	---	---
1980	CCCCCCCCCCCC	MANUAL	18	OCT 13	1	FEB 25	341	NOV 05	3 830	10.5	10.5	---
1981	CCCCCCCCCCCC	MANUAL	27	JUL 28	1	JAN 02	270	DEC 04	4 900	13.4	12.0	12.1
1982	CCCCCCCCCCCC	MANUAL	36	NOV 05	1	MAY 19	531	APR 30	7 830	21.4	15.1	21.6
1983	CCCCCCCCCCCC	MANUAL	28	SEP 23	1	JAN 10	382	JAN 13	9 450	25.9	17.5	18.9
1984	CCCCCCCCCCCC	MANUAL	83	JUL 17	1	NOV 12	236	MAY 16	9 670 *	26.4	19.5	16.5
1985	CCCCCCCCCCCC	MANUAL	102	JUN 07 *	1	MAR 19	1 920	JUN 07 *	9 240	25.3	20.5	13.7

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

HIGHLANDS RIVER AT TRANS-CANADA HIGHWAY - STATION NO. 021A002

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 48 06 33 N LONG 58 47 04 W
DRAINAGE AREA: 72.0 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 821 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	1.72 B	6	0.89	0.580 B	14	0.70	0.580 B	10	0.48	1
2	1.61 B	7	0.97	0.565 B	13	0.63	0.550 B	10	0.46	2
3	1.52 B	8	1.05	0.550 B	13	0.62	0.700 B	10	0.60	3
4	1.46 B	8	1.14	0.535 B	13	0.60	0.920 B	10	0.79	4
5	1.38 B	9 S	1.08	0.521 B	12 S	0.54	1.11 B	10	0.86	5
6	1.33 B	9	1.03	0.510 B	7	0.31	1.18 B	10	1.02	6
7	1.28 B	10	1.11	0.500 B	7	0.30	1.15 B	10	0.99	7
8	1.23 B	10	1.08	0.490 B	8	0.34	1.10 B	10	0.95	8
9	1.17 B	11	1.11	0.480 B	8 S	0.33	1.04 B	10 S	0.90	9
10	1.13 B	12	1.17	0.470 B	8	0.32	1.01 B	10	0.87	10
11	1.09 B	12	1.13	0.455 B	9	0.35	0.970 B	10	0.84	11
12	1.04 B	13 S	1.17	0.445 B	8 S	0.31	0.930 B	10	0.80	12
13	1.01 B	13	1.13	0.435 B	7 S	0.26	0.900 B	10	0.78	13
14	0.980 B	14	1.18	0.430 B	8 S	0.30	1.03 B	10	0.89	14
15	0.945 B	13	1.06	0.470 B	9 S	0.37	1.10 B	10	0.95	15
16	0.910 B	14	1.10	0.550 B	10 S	0.48	1.06 B	10	0.92	16
17	0.885 B	14	1.07	0.630 B	11 S	0.60	1.01 B	10	0.87	17
18	0.860 B	14	1.04	0.730 B	12 S	0.76	0.980 B	10 S	0.83	18
19	0.830 B	14 S	1.00	0.780 B	13 S	0.88	0.910 B	9	0.71	19
20	0.805 B	14	0.97	0.750 B	12 S	0.78	0.880 B	9	0.81	20
21	0.785 B	14	0.95	0.720 B	10	0.62	0.840 B	7	0.51	21
22	0.760 B	14	0.92	0.690 B	10	0.60	0.810 B	6	0.43	22
23	0.740 B	14	0.90	0.670 B	10	0.58	0.780 B	8 S	0.60	23
24	0.720 B	13	0.81	0.650 B	10	0.55	0.750 B	10 S	0.65	24
25	0.700 B	13 S	0.78	0.630 B	10	0.54	0.730 B	11	0.69	25
26	0.680 B	13	0.76	0.605 B	10	0.52	0.700 B	10	0.60	26
27	0.660 B	13	0.74	0.590 B	10 S	0.51	0.670 B	10	0.58	27
28	0.645 B	13	0.72	0.580 B	10	0.50	0.650 B	10	0.56	28
29	0.625 B	13	0.70				0.630 B	10 S	0.58	29
30	0.610 B	14	0.74				0.610 B	10	0.54	30
31	0.595 B	14 S	0.72				0.595 B	10	0.53	31
TOTAL	30.715		30.22	16.011		14.21	28.835		22.23	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.580 B	11	0.55							
2	0.580 B	11	0.53	4.95	1 S	0.43	4.71	13 S	7.84	1
3	0.550 B	10 S	0.48	3.26	3 S	0.84	19.4	31 S	52.0	2
4	0.530 B	9 S	0.41	2.85	11 S	2.71	10.9	8 S	7.52	3
5	0.510 B	8 S	0.35	11.4	18 S	17.7	6.82	11 S	8.36	4
				13.3	8 S	9.18	6.84	7	5.35	5
6	0.500 B	7 S	0.30	7.37	4 S	2.85	7.09	4 S	2.45	6
7	0.680 B	8 S	0.46	4.99	9 S	3.88	20.7	17 S	30.4	7
8	0.970 B	8 S	0.78	3.71	11 S	3.83	6.08	15	10.5	8
9	0.830 B	10 S	0.80	3.38	6 S	2.34	4.80	13	5.39	9
10	0.900 B	15	1.17	3.84	7 S	2.38	4.36	11	4.05	10
11	0.860 B	15	1.11	10.9	2 S	1.86	3.85	9	3.07	11
12	0.830 B	14	1.00	10.4	4 S	3.59	3.51	7	2.13	12
13	0.810 B	14	0.88	5.05	4 S	2.02	3.83	5	1.14	13
14	0.780 B	13	0.88	3.91	2 S	0.88	3.38	4 S	0.78	14
15	0.950 B	13	1.07	3.83	3 S	0.86	3.07	2 S	0.38	15
16	2.05	14 S	2.83	4.48	2 S	0.77	1.89	8 S	0.98	16
17	6.56	18 S	9.07	5.65	3 S	1.67	1.88	8	0.87	17
18	6.92	13	7.77	23.4	8 S	18.2	1.73	6	0.90	18
19	5.24	8 S	3.62	38.0	18 S	58.1	2.11	8	1.84	19
20	3.30	8 S	2.28	18.5	13 S	20.8	2.88	7	1.76	20
21	2.88	7 S	1.85	15.0	7 S	9.07	2.00	6	1.04	21
22	1.78	12 S	1.81	16.6	3 S	4.39	1.85	5	0.87	22
23	1.42	11 S	1.38	19.3	9 S	10.0	1.38	5	0.65	23
24	1.08	14 S	1.28	12.8	11 S	12.2	1.11	4	0.38	24
25	0.853	12 S	0.99	10.5	7 S	8.35	1.01	4	0.36	25
26	0.889	13 S	1.00	10.7	14 S	12.9	0.895	3	0.23	26
27	1.27	5 S	0.55	8.58	6 S	3.71	0.790	3	0.20	27
28	2.84	4 S	0.98	7.18	7 S	4.34	0.737	3	0.19	28
29	7.57	4 S	2.82	7.23	5 S	3.12	0.994	3	0.77	29
30	7.00	2 S	1.21	7.37	5 S	3.82	3.82	15	4.58	30
31				6.56	6 S	3.40				31
TOTAL	82.422		49.45	305.88		228.13	138.217		158.14	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NEWFOUNDLAND

HIGHLANDS RIVER AT TRANS-CANADA HIGHWAY - STATION NO. 02ZA003

SUSPENDED SEDIMENT FOR 1988

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	2.16	11	2.05							
2	1.40	8	0.97	0.469	10	0.38	0.897	4	0.24	1
3	1.05	8	0.84	0.886	10 S	0.80	0.807	3	0.18	2
4	0.905	8	0.58	0.776	13	0.87	0.734 A	4 S	0.25	3
5	0.828	8	0.38	0.619	13	0.86	1.50 E	5 S	0.65	4
			0.36	0.548	11	0.52	3.36 E	6 S	1.71	5
6	0.740	5	0.32							
7	0.663	4	0.24	0.803	11	0.48	7.60 E	7 S	4.23	6
8	0.725	4	0.25	0.863	13	0.88	12.0 E	8 S	8.28	7
9	0.663	4	0.23	0.630	12	0.64	8.47 A	9 S	3.86	8
10	0.827	4	0.33	0.518	10	0.45	4.06	1	0.35	9
				0.518	9	0.40	2.37	1	0.20	10
11	0.824	3	0.18	0.508	9	0.40	1.77	7	1.07	11
12	0.817	4	0.31	0.464	8	0.33	3.86	12	3.89	12
13	0.688	4	0.20	0.466	7	0.28	2.67	8	1.85	13
14	0.550	4	0.18	0.462	7	0.27	1.62	9	0.84	14
15	0.535	4	0.18	0.437	6	0.23	1.26	8	0.52	15
16	0.557	4	0.20	0.420	5	0.22	0.980	4	0.34	16
17	0.634	5	0.27	0.417	5	0.22	0.819	3 S	0.21	17
18	0.824	5	0.40	0.414	6 S	0.21	0.716	2	0.12	18
19	0.783	5	0.34	0.401	5	0.19	0.661	1	0.06	19
20	1.08	12 S	1.10	0.379	4	0.13	0.643	2	0.11	20
21	1.42	13	1.59	0.356	4	0.12	0.767	10 S	0.85	21
22	1.04	13	1.17	0.351	5	0.15	0.698	11	0.85	22
23	0.834	12	0.86	0.353	4	0.13	0.627	10	0.54	23
24	0.705	11	0.67	0.338	4	0.13	0.592	10	0.51	24
25	0.631	10	0.54	0.338	4	0.12	0.563	10	0.49	25
26	0.583	10	0.48	0.338	5	0.16	0.554	10	0.48	26
27	0.530	10	0.46	0.335	4	0.13	0.538	11	0.51	27
28	0.519	10	0.45	0.544	4	0.18	0.514	12	0.53	28
29	0.482	10	0.43	0.627	4 S	0.29	0.488	12 S	0.52	29
30	0.474	10 S	0.41	0.772	5	0.33	0.461	12	0.50	30
31	0.488	10	0.40	0.664	5	0.35				31
TOTAL	34.309		16.29	16.810		10.12	51.268		33.94	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.476	12	0.49	1.61	4	0.56	0.570 B	16 S	0.79	1
2	0.478	11	0.45	4.73	13	5.31	0.800 B	22	1.52	2
3	0.483	11	0.46	4.02	14 S	4.66	18.3	37	53.1	3
4	0.489	10	0.42	2.44	10 S	2.11	6.25	30	16.2	4
5	0.478	10	0.41	1.88	7	1.02	3.00	23	5.88	5
6	0.512	11	0.49	1.34	6	0.89	3.05	17	3.01	6
7	0.577	5 S	0.29	1.45	12	1.50	1.83	14	1.85	7
8	0.634	3	0.18	3.48	19	4.02	1.40 B	13 S	1.45	8
9	0.802	4	0.21	2.87	18	4.71	1.30 B	9	0.83	9
10	0.947	6	0.34	2.18	13 S	3.43	1.05 B	9	0.83	10
11	0.802	6	0.28	1.87	9	1.30	0.940 B	11	0.89	11
12	0.698	5	0.34	1.38	8	0.85	0.890 B	10	0.74	12
13	0.686	10 S	0.42	1.13 B	4	0.39	0.800 B	9	0.62	13
14	0.677	9	0.37	1.00 B	4	0.35	0.780 B	8	0.52	14
15	0.808	8	0.35	0.900 B	4	0.31	0.700 B	8	0.48	15
16	0.741	10	0.64	0.830 B	5	0.38	0.880 B	15	0.86	16
17	0.784	7	0.48	0.780 B	11 S	0.74	0.830 B	16 S	0.86	17
18	0.750	5	0.32	1.63	16	2.63	0.680 B	16	0.92	18
19	0.734	3	0.19	1.74	15	3.86	0.570 B	24	1.16	19
20	0.738	1 S	0.08	1.40	15	1.84	0.545 B	28	1.22	20
21	0.711	1	0.08	1.28 B	14	1.58	0.530 B	15	0.85	21
22	0.670	1	0.08	1.18 B	12	1.19	0.495 B	12 S	0.51	22
23	0.868	1	0.08	1.08 B	10	0.81	0.480 B	7	0.28	23
24	0.846	1	0.08	0.950 B	7	0.57	0.480 B	6	0.24	24
25	0.844	1	0.08	0.880 B	6	0.46	0.460 B	8	0.30	25
26	1.38	2	0.23	0.810 B	10	0.70	17.2	35 S	52.0	26
27	2.84	3 S	0.76	0.770 B	12 S	0.80	10.4	38	34.1	27
28	4.11	9	3.20	0.710 B	10	0.61	4.72	23	8.38	28
29	3.88	10	3.35	0.650 B	11	0.62	3.63	14	3.18	29
30	2.61	8	1.80	0.610 B	12	0.63	1.80	8	1.24	30
31	1.88	6	0.85				1.47	8	0.76	31
TOTAL	31.487		17.56	46.980		46.70	81.980		195.00	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

HIGHLANDS RIVER AT TRANS-CANADA HIGHWAY - STATION NO. 022A002

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP.	INSTANT. DISCHARGE		SINGLE SAMPLING VERTICAL	TYPE OF SAMPLER	INSTANT. CONCENT.	DISSOLVED SOLIDS	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES									PERCENT		
		(C)	(m^3/s)		(m)		(mg/L)	(mg/L)	.002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	SAND SILT CLAY
JAN 05	12:50	0.0	1.38	B	5.0	DH48	8	148												
JAN 12	11:05	0.0	1.04	B	5.0	DH48	13													
JAN 19	12:30	0.0	0.830	B	5.0	DH48	14													
JAN 25	13:03	0.0	0.700	B	5.0	DH48	13													
JAN 31	11:25	0.0	0.595	B	5.0	DH48	14													
FEB 05	16:35	0.0	0.521	B	3.0	DH48	12													
FEB 09	10:30	0.0	0.480	B	5.0	DH48	18													
FEB 12	15:00	0.0	0.445	B	2.0	DH48	9	140												
FEB 20	13:00	0.0	0.780	B	5.0	DH48	10													
MAR 09	10:30	0.0	1.04	B	5.0	DH48	11													
MAR 16	10:40	0.0	0.980	B	5.0	DH48	10													
MAR 23	15:32	0.0	0.780	B	7.0	DH48	5													
MAR 24	14:00	0.0	0.750	B	7.0	DH48	11	112												
MAR 28	14:00	0.0	0.880	B	8.0	DH48	10													
APR 03	12:01	2.0	0.850	B	8.0	DH48	12													
APR 09	15:00	0.0	0.930	B	8.0	DH48	16													
APR 16	11:20	2.0	2.08		8.0	DH48	13													
APR 17	09:30	2.0	8.58		5.0	DH48	17													
APR 19	09:50	0.5	5.24		5.0	DH48	7													
APR 20	10:37	0.5	3.30		5.0	DH48	8													
APR 21	16:15	0.5	2.56		5.0	DH48	6													
APR 22	10:20	1.0	1.76		5.0	DH48	13													
APR 23	10:05	1.0	1.42		5.0	DH48	10													
APR 24	09:20	1.0	1.06		5.0	DH48	14													
APR 25	09:30	1.5	0.863		5.0	DH48	12													
APR 26	09:50	2.0	0.989		5.0	DH48	13													
APR 27	09:45	3.0	1.27		5.0	DH48	5	95												
APR 28	13:30	5.0	2.64		5.0	DH48	4													
APR 29	09:40	0.5	7.57		3.0	DH48	4													
APR 30	09:50	0.5	7.00		3.0	DH48	2													
MAY 01	10:30	1.0	4.95		3.0	DH48	1													
MAY 02	10:40	1.5	3.28		5.0	DH48	1													
MAY 03	08:15	1.5	2.85		5.0	DH48	5													
MAY 04	13:50	1.0	11.4		3.0	DH48	20													
MAY 05	13:53	1.5	13.3		3.0	DH48	7													
MAY 06	08:45	0.5	7.37		4.0	DH48	3													
MAY 07	09:40	1.0	4.89		5.0	DH48	5													
MAY 08	07:50	1.5	3.71		5.0	DH48	12													
MAY 08	09:10	1.5	3.38		5.0	DH48	7													
MAY 10	08:45	1.5	3.94		5.0	DH48	8													
MAY 11	09:15	2.0	10.9		5.0	DH48	2													
MAY 12	09:00	1.0	10.4		4.0	DH48	3													
MAY 13	10:30	1.0	5.85		5.0	DH48	5													
MAY 13	16:13	2.0	5.85		5.0	DH48	1													
MAY 14	09:05	1.5	3.91		5.0	DH48	2													
MAY 15	09:30	1.5	3.83		5.0	DH48	1													
MAY 16	08:30	1.0	4.45		5.0	DH48	2	99												
MAY 17	08:55	2.0	8.45		5.0	DH48	3													
MAY 18	10:30	2.0	23.4		3.0	DH48	7													
MAY 19	12:40	3.0	38.0		2.0	DH48	19													
MAY 20	10:50	2.5	18.5		3.0	DH48	13													
MAY 21	10:25	3.0	15.0		4.0	DH48	9													
MAY 22	10:00	4.0	16.8		4.0	DH48	2													
MAY 23	09:45	4.0	19.3		3.0	DH48	4													
MAY 24	09:15	2.0	12.8		4.0	DH48	14													
MAY 25	10:55	5.5	10.5		4.0	DH48	4													
MAY 26	09:45	5.0	10.7		4.0	DH48	17													
MAY 27	08:30	4.0	8.58		4.0	DH48	4													
MAY 28	09:20	5.0	7.18		5.0	DH48	8													
MAY 29	09:05	5.0	7.23		5.0	DH48	5													
MAY 30	09:20	5.5	7.37		5.0	DH48	7													
MAY 31	09:20	5.0	8.86		5.0	DH48	5													
JUN 01	10:40	6.0	8.71		5.0	DH48	9													
JUN 02	08:25	6.0	15.4		3.0	DH48	39													
JUN 03	09:50	9.0	10.9		5.0	DH48	4													
JUN 04	09:30	9.0	8.62		5.0	DH48	10													
JUN 05	09:54	8.0	7.09		5.0	DH48	1													
JUN 07	10:45	9.0	20.7		3.0	DH48	19													
JUN 14	19:45	10.0	2.26		5.0	DH48	4													
JUN 15	13:30	14.0	2.07		6.0	DH48	1													
JUN 16	09:50	12.5	1.88		5.0	DH48	6													
JUL 20	11:45	16.0	1.06		7.0	DH48	14	117												
JUL 30	19:40	18.0	0.478		7.0	DH48	11													
AUG 02	14:25	15.0	0.898		7.0	DH48	8													
AUG 18	15:30	22.0	0.414		7.0	DH48	8													
AUG 29	09:40	12.0	0.827		8.0	DH48	8													
SEP 03	16:25	15.0	0.734	A	8.0	DH48	6	111												
SEP 06	19:15	12.0	8.47	A	5.0	DH48	3													
SEP 09	12:40	13.0	4.06		5.0	DH48	1													
SEP 17	15:40	14.0	0.819		8.0	DH48	3													
SEP 21	11:25	16.0	0.757		8.0	DH48	11													
SEP 28	16:40	14.0	0.498		7.0	DH48	12													
OCT 07	16:20	12.0	0.677		7.0	DH48	2													
OCT 13	15:25	4.0	0.485		7.0	DH48	10													
OCT 20	15:14	5.0	0.738		5.0	DH48	1													
OCT 27	14:50	5.0	2.54		5.0	DH48	3													
NOV 03	16:10	5.0	4.02		5.0	DH48	13	65												
NOV 04	13:30	5.0	3.44		5.0	DH48	10													
NOV 10	16:10	3.0	2.16		5.0	DH48	12													
NOV 17	15:25	0.5	0.780	B	5.0	DH48	13													
NOV 27	12:55	0.0	0.770	B	5.0	DH48	12													
DEC 01	15:15	0.0	0.570	B	5.0	DH48	17													
DEC 04	13:05	0.0	1.40	B	5.0	DH48	11													
DEC 17	13:20	0.0	0.630	B	5.0	DH48	16													
DEC 22	15:50	0.0	0.495	B	5.0	DH48	11													
DEC 28	12:27	4.0	17.2		5.0	DH48	50													

NOTE : SINGLE VERTICAL LOCATED AT 13.0 METRES FOR 1985

DISCHARGE SYMBOL(S): A - MANUAL GAUGE B - ICE CONDITIONS

NEWFOUNDLAND

HIGHLANDS RIVER AT TRANS-CANADA HIGHWAY - STATION NO. 022A002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL STANDARD ERROR OF MEAN %
1981	-------PPPPP	MANUAL					---	---	---	---	---	---
1982	CCCCCCCCCCCC	MANUAL	41	DEC 16	2	AUG 20						
1983	CCCCCCCCCCCC	MANUAL	40	APR 30	1	FEB 11 *	210	APR 30	1 130	3.09	3.09	---
1984	CCCCCCCCCCCC	MANUAL	58	JAN 13 *	1	MAY 18	248	JAN 13 *	1 920 *	5.25	4.17	25.9
			51	APR 07	1	APR 25	62.0	FEB 05	848	2.59	3.84	22.4
1985	CCCCCCCCCCCC	MANUAL	50	DEC 28	1	MAY 01	89.1	MAY 19	821	2.25	3.30	20.4

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

P - PARTIAL MONTH

* - EXTREME FOR PERIOD OF RECORD

NEWFOUNDLAND

NORTHEAST BROOK NEAR ROBDICKTON - STATION NO. 02YD002

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 50 05 44 N LONG 56 06 44 W
DRAINAGE AREA: 200 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 749 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	2.82 B	3	0.68	0.935 B	5	0.48	0.605 B	7	0.37	1
2	2.52 B	3	0.65	0.910 B	6	0.47	0.585 B	8 S	0.40	2
3	2.42 B	4	0.84	0.890 B	7	0.54	0.585 B	6	0.29	3
4	2.34 B	4 S	0.81	0.885 B	6	0.50	0.550 B	5	0.25	4
5	2.25 B	4	0.78	0.845 B	8	0.44	0.423	5	0.18	5
6	2.18 B	4	0.76	0.830 B	5 S	0.35	0.515 B	4	0.18	6
7	2.08 B	4	0.72	0.800 B	6	0.41	0.495 B	3	0.13	7
8	2.01 B	4	0.69	0.790 B	6	0.41	0.485 B	3 S	0.13	8
9	1.94 B	5	0.84	0.780 B	7 S	0.48	0.485 B	4	0.16	9
10	1.87 B	5	0.87	0.740 B	8	0.53	0.455 B	5	0.20	10
11	1.82 B	6	1.26	0.725 B	12	0.75	0.520 B	6	0.27	11
12	1.75 B	11 S	1.66	0.705 B	16	0.97	0.800 B	7	0.36	12
13	1.69 B	8	1.17	0.695 B	13 S	0.78	0.721 B	10 S	0.62	13
14	1.64 B	8	1.13	0.675 B	13	0.78	0.900 B	11	0.86	14
15	1.58 B	7	0.98	0.650 B	12	0.68	1.28 B	12 S	1.33	15
16	1.53 B	7	0.93	0.680 B	17 S	1.29	1.25 B	13	1.40	16
17	1.48 B	17	2.17	0.655 B	13	0.95	1.20 B	14	1.45	17
18	1.44 B	13 S	1.62	0.630 B	12	0.85	1.16 B	14	1.40	18
19	1.38 B	10	1.19	0.600 B	11	0.78	1.12 B	12	1.16	19
20	1.34 B	9	1.04	0.775 B	9	0.60	1.09 B	11	1.04	20
21	1.30 B	9	1.01	0.755 B	6	0.39	1.05 B	10	0.91	21
22	1.27 B	9	0.98	0.730 B	4	0.25	1.03 B	10 S	0.89	22
23	1.23 B	7	0.74	0.705 B	3 S	0.18	0.995 B	10	0.86	23
24	1.18 B	6	0.61	0.690 B	4	0.24	0.985 B	10	0.83	24
25	1.14 B	5	0.49	0.670 B	4	0.23	0.940 B	10	0.81	25
26	1.12 B	8	0.88	0.650 B	3 S	0.17	0.920 B	10	0.79	26
27	1.08 B	8	0.58	0.630 B	3	0.16	0.895 B	10	0.77	27
28	1.04 B	7	0.63	0.620 B	5	0.27	0.875 B	10	0.78	28
29	1.02 B	7	0.62				0.850 B	11	0.82	29
30	0.990 B	7	0.60				0.560 B	12 S	0.88	30
31	0.965 B	7	0.58				1.02 B	12	1.05	31
TOTAL	50.225		28.27	21.415		15.05	25.484		21.70	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.980 B	11	0.94	4.70 B	3	1.22	28.8	6 S	15.4	1
2	0.955 B	10	0.83	4.10 B	2	0.71	27.8	5	14.3	2
3	0.930 B	10	0.80	3.85 B	2	0.63	27.5	3 S	7.13	3
4	0.900 B	11	0.86	3.20 B	2	0.55	31.2	4 S	10.8	4
5	0.875 B	11 S	0.83	2.90 B	2	0.50	37.9	5 S	19.6	5
6	0.855 B	10	0.74	2.65 B	1	0.33	41.0	3 S	10.6	6
7	0.835 B	10	0.72	5.50 B	2	0.97	51.8	6 S	26.8	7
8	0.815 B	10	0.70	4.80 B	2	0.78	57.7	11 S	84.3	8
9	0.800 B	8	0.55	3.85 B	2 S	0.67	67.8	5	29.2	9
10	0.910 B	6	0.47	3.40 B	2 S	0.59	64.8	4 S	18.9	10
11	1.02 B	4	0.35	5.00 B	2 S	0.86	44.0	3 S	11.4	11
12	1.15 B	2 S	0.20	7.90 B	0	0	35.5	2 S	6.20	12
13	1.30 B	1	0.11	6.00 B	1 S	0.52	29.3	1 S	2.53	13
14	1.50 B	1	0.13	4.80 B	2 S	0.78	26.4	2 S	4.33	14
15	1.75 B	2	0.30	4.00 B	3 S	0.88	21.5	2 S	3.88	15
16	2.10 B	2	0.38	3.40 B	3 S	0.88	18.8	2	3.21	16
17	2.50 B	2	0.43	3.10 B	3 S	0.80	18.3	3 S	2.83	17
18	3.15 B	2	0.54	5.00 B	3 S	1.30	14.3	2	3.47	18
19	4.00 B	2 S	0.88	7.40 B	3	1.82	12.5	1	1.08	19
20	5.50 B	1	0.48	13.6	4 S	4.70	11.8	1	1.02	20
21	8.80 B	1	0.83	31.0	4 S	7.26	11.1	1	0.96	21
22	7.40 B	2	1.26	28.1	4 S	9.71	10.6	1	0.82	22
23	6.00 B	2 S	1.04	38.8	5 S	15.9	9.64	1	0.85	23
24	4.90 B	2	0.85	48.1	25 S	89.6	9.08	1	0.78	24
25	4.10 B	2	0.71	46.4	6 S	32.1	8.18	1	0.70	25
26	3.50 B	2	0.80	44.4	3	11.5	7.21	1	0.62	26
27	5.00 B	2	0.86	41.8	2 S	7.23	6.48	1	0.56	27
28	7.50 B	2	1.30	39.6	1 S	3.42	5.78	1	0.50	28
29	6.50 B	2	1.12	38.7	2 S	6.69	5.16	1	0.44	29
30	5.60 B	3 S	1.45	36.7	2 S	6.34	4.54	1	0.38	30
31				33.2	2 S	5.74				31
TOTAL	82.935		21.07	511.45		224.80	743.33		262.48	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NEWFOUNDLAND

NORTHEAST BROOK NEAR RODDICKTON - STATION NO. 02YD002

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	4.08									
2	3.68	1	0.36	0.771	1	0.07	0.207	4	0.07	1
3	3.28	1	0.32	0.730	1	0.06	0.202	4	0.07	2
4	3.02	1	0.28	0.695	1	0.05	0.178	4	0.06	3
5	2.84	3	0.82	0.858	1	0.06	0.184	3	0.05	4
		1	0.25	0.844	1	0.06	0.184	3	0.05	5
6	2.83									
7	2.63	2	0.44	0.825	1	0.05	0.188	3	0.05	6
8	2.91	3	0.42	0.800	1	0.05	0.188	3	0.05	7
9	3.14	3	0.75	0.523	1	0.05	0.220	4	0.06	8
10	2.90	2	0.64	0.511	1	0.04	0.289	5	0.12	9
		2	0.50	0.496	1	0.04	0.272	4	0.09	10
11	2.87									
12	2.60	1 S	0.23	0.489	1	0.04	0.278	5	0.12	11
13	2.20	1	0.22	0.458	1	0.04	0.713	10	0.62	12
14	1.98	1	0.18	0.437	3	0.11	1.49	14	1.80	13
15	1.82	1	0.17	0.415	3	0.11	2.71	19	4.45	14
		1	0.16	0.348	3	0.09	3.85	19	6.48	15
16	1.78									
17	1.85	1	0.15	0.317	3	0.08	4.30	18	6.69	16
18	1.74	1	0.18	0.287	3	0.07	4.24	16	5.86	17
19	1.80	1	0.15	0.264	4	0.09	3.88	15	5.03	18
20	1.48	1	0.14	0.242 A	4	0.08	3.58	14	4.33	19
		1	0.13	0.232 E	4	0.08	3.27	12	3.38	20
21	1.38									
22	1.28	1	0.12	0.222 A	4	0.08	2.84	12	3.05	21
23	1.17	1	0.11	0.263 A	4	0.08	2.61	12	2.80	22
24	1.02	1	0.10	0.252 E	5	0.11	2.15	11	2.04	23
25	0.872	1	0.09	0.239 E	5	0.10	1.93	11	1.83	24
		1	0.08	0.229 E	4	0.08	1.72	11	1.83	25
26	0.828									
27	0.811	1	0.07	0.222 E	4	0.08	1.51	11	1.44	26
28	0.788	1	0.07	0.213 E	4	0.07	1.38	11	1.32	27
29	0.744	1	0.07	0.207 E	4	0.07	1.27	11	1.21	28
30	0.789	1	0.08	0.202 A	4 S	0.07	1.11	10	0.96	29
31	0.835	2	0.14	0.227	3	0.06	0.995	10	0.86	30
		2	0.14	0.227	4	0.08				31
TOTAL	80.872		7.12	12.225		2.22	48.038		58.40	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.948									
2	0.873	10	0.82	2.34	8	1.62	0.930 B	6	0.48	1
3	0.849	9	0.68	2.63	9 S	2.05	0.870 B	6	0.45	2
4	0.815	9	0.66	2.75	9	2.14	1.00 B	7	0.60	3
5	0.773	10	0.70	2.78	9 S	2.16	1.17 B	7	0.71	4
		10	0.67	2.76	9	2.15	1.40 B	9	1.09	5
6	0.731									
7	0.891	10	0.83	2.89	10	2.32	1.32 B	15	1.71	6
8	0.845	9	0.64	2.80	10	2.28	1.28 B	9 S	0.97	7
9	0.827	8	0.45	2.75	10 S	2.38	1.17 B	9	0.91	8
10	0.783	8	0.43	2.88	9	2.28	1.03 B	8	0.75	9
		8	0.54	3.08	9	2.40	1.04 B	7	0.83	10
11	0.833	7	0.56	3.20	9	2.49	0.980 B	7	0.58	11
12	0.950	8	0.86	3.24	8	2.24	0.820 B	8	0.84	12
13	0.969	9	0.88	3.24	8 S	2.24	0.880 B	8	0.81	13
14	0.943	7	0.57	3.12	7	1.89	0.830 B	15 S	1.08	14
15	0.928	8	0.84	2.91	7	1.76	0.785 B	19	1.31	15
16	1.04	8	0.72	2.75 B	8	1.90	0.755 B	13	0.85	16
17	1.10	8	0.78	2.55 B	11	2.42	0.720 B	12	0.75	17
18	1.17	9	0.91	2.35 B	8	1.62	0.890 B	26	1.55	18
19	1.34	9	1.04	2.15 B	8	1.48	0.855 B	19	1.08	19
20	1.54	9	1.20	2.00 B	8	1.38	0.821 B	16	0.88	20
21	1.68	10	1.43	1.85 B	7	1.12	0.885 B	13 S	0.67	21
22	1.74	10	1.80	1.68 B	7 S	1.02	0.868 B	12	0.59	22
23	1.81	9	1.41	1.57 B	7	0.95	0.848 B	16	0.75	23
24	1.76	8	1.23	1.46 B	7	0.88	0.820 B	12	0.54	24
25	1.72	8	1.19	1.37 B	7	0.83	0.800 B	10	0.43	25
26	1.73	8 S	1.20	1.28 B	7	0.77	0.840 B	18	0.88	26
27	1.73	9	1.35	1.20 B	8	0.93	1.20 B	18	1.88	27
28	1.78	9 S	1.38	1.12 B	11	1.08	1.80 B	18 S	2.07	28
29	1.84	9	1.38	1.04 B	11 S	0.88	2.15 B	18	2.87	29
30	1.92	8 S	0.95	0.980 B	7	0.80	2.00 B	14	2.42	30
31	1.93	5	0.86				1.80 B	13	2.13	31
TOTAL	38.348		27.01	68.340		50.30	31.181		32.72	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

NORTHEAST BROOK NEAR RODDICKTON - STATION NO. 02YD002

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 04	14:24	2.5	2.34	B	5.0	DH48	4	99														
JAN 12	13:26	1.5	1.76	B	5.0	DH48	13															
JAN 18	14:36	1.5	1.44	B	5.0	DH48	12															
FEB 09	10:46	2.0	0.760	B	5.0	DH48	5															
FEB 13	13:24	2.0	0.695	B	5.0	DH48	8															
FEB 18	13:29	1.5	0.880	B	5.0	DH48	9															
FEB 23	09:50	1.5	0.705	B	5.0	DH48	3															
FEB 26	15:50	2.0	0.650	B	5.0	DH48	3															
MAR 02	14:26	2.0	0.585	B	5.0	DH48	8															
MAR 08	15:38	1.5	0.485	B	5.0	DH48	3															
MAR 13	12:46	1.0	0.721	B	5.0	DH48	4															
MAR 15	15:46	1.0	1.28	B	5.0	DH48	6															
MAR 22	15:19	1.5	1.03	B	5.0	DH48	5	112														
MAR 30	11:00	1.5	0.950	B	5.0	DH48	7															
APR 12	11:12	1.5	1.15	B	5.0	DH48	1															
APR 19	15:42	1.5	4.00	B	5.0	DH48	1															
APR 23	17:54	1.5	5.00	B	5.0	DH48	2															
APR 30	17:03	2.0	5.60	B	5.0	DH48	2	117														
MAY 09	17:02	3.0	3.85	B	5.0	DH48	3															
MAY 10	15:32	3.0	3.40	B	5.0	DH48	3															
MAY 11	15:45	3.0	5.00	B	5.0	DH48	1															
MAY 13	17:31	3.0	5.00	B	5.0	DH48	2	101														
MAY 14	14:58	3.0	4.80	B	5.0	DH48	3															
MAY 15	15:51	3.0	4.00	B	5.0	DH48	3															
MAY 16	15:39	3.0	3.40	B	5.0	DH48	14															
MAY 17	15:38	4.5	3.10	B	5.0	DH48	6															
MAY 18	14:03	5.0	5.00	B	5.0	DH48	2															
MAY 20	15:15	5.0	13.6		5.0	DH48	4															
MAY 21	15:43	5.0	21.0		5.0	DH48	4															
MAY 22	15:49	5.0	28.1		5.0	DH48	4															
MAY 23	14:30	5.0	36.8		5.0	DH48	4															
MAY 23	17:59	5.0	36.8		5.0	DH48	2	91														
MAY 24	16:03	4.0	46.1		5.0	DH48	28															
MAY 25	15:14	4.0	46.4		5.0	DH48	5															
MAY 27	15:19	4.0	41.8		5.0	DH48	1															
MAY 28	15:27	4.0	39.8		5.0	DH48	1															
MAY 29	15:47	5.0	38.7		5.0	DH48	4															
MAY 31	15:05	5.0	33.2		5.0	DH48	2															
JUN 01	12:25	5.0	29.8		5.0	DH48	7															
JUN 03	16:28	5.0	27.5		5.0	DH48	1															
JUN 04	15:42	5.0	31.2		5.0	DH48	8	83														
JUN 05	14:08	5.0	37.8		5.0	DH48	5															
JUN 06	17:12	5.0	41.0		5.0	DH48	2															
JUN 07	17:17	5.0	51.9		5.0	DH48	5															
JUN 08	08:55	5.0	57.7		5.0	DH48	6															
JUN 10	16:37	5.0	54.6		5.0	DH48	3															
JUN 11	17:10	5.0	44.0		5.0	DH48	2															
JUN 12	15:42	5.0	35.9		5.0	DH48	3															
JUN 13	14:41	6.0	28.3		5.0	DH48	1															
JUN 14	15:10	6.0	24.4		5.0	DH48	7															
JUN 17	15:42	10.0	16.3		5.0	DH48	11	77														
JUL 11	15:00		2.67		5.0	DH48	20															
AUG 29	13:32		0.202	A	5.0	DH48	8															
OCT 26	08:23	5.0	1.73		5.0	DH48	8															
OCT 28	14:30	5.0	1.79		5.0	DH48	11															
OCT 30	13:45	4.5	1.82		5.0	DH48	6															
NOV 06	13:35	4.5	2.75		5.0	DH48	10															
NOV 13	10:03	4.0	3.25		5.0	DH48	8															
NOV 22	09:04	2.0	1.68	B	5.0	DH48	8															
NOV 28	10:12	2.0	1.04	B	5.0	DH48	11															
DEC 07	09:26	1.5	1.25	B	5.0	DH48	7															
DEC 14	13:10	1.5	0.830	B	5.0	DH48	16															
DEC 21	14:49	1.5	0.595	B	5.0	DH48	11															
DEC 28	13:02	1.5	1.50	B	5.0	DH48	15															

NOTE : SINGLE VERTICAL LOCATED AT 11.0 METRES FOR 1985

DISCHARGE SYMBOL(S): A - MANUAL GAUGE B - ICE CONDITIONS

NORTHEAST BROOK NEAR RODDICKTON - STATION NO. 02YD002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION *SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1981	------CCCCCC	MANUAL	24	DEC 08	1	AUG 08 *	43.7	DEC 11	818	---	---	---
1982	CCCCCCCCCCCC	MANUAL	21	JAN 08	2	MAR 05	46.6	JUN 07	1 520 *	4.18	4.18	---
1983	CCCCCCCCCCCC	MANUAL	20	JAN 14	2	MAR 02	22.3	APR 30	1 130	3.11	3.65	14.7
1984	CCCCCCCCCCCC	MANUAL	52	FEB 11 *	3	DEC 28	72.1	MAY 15	1 520	4.14	3.61	9.2
1985	CCCCCCCCCCCC	MANUAL	28	MAY 24	1	APR 12	89.6	MAY 24 *	748	3.05	3.37	15.0

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH * - EXTREME FOR PERIOD OF RECORD

NEWFOUNDLAND

WATERFORD RIVER AT KILBRIDE - STATION NO. 02ZM008

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 47 31 47 N LONG 52 44 34 W
DRAINAGE AREA: 52.7 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 1 230 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.820 B	3	0.24	0.570 B	3	0.15	1.52	9	1.18	1
2	0.722	2 S	0.12	0.550 B	3	0.14	1.29	8	0.89	2
3	0.733	2	0.13	0.535 B	3	0.14	5.78	26	13.0	3
4	0.892	2	0.12	0.520 B	3	0.13	4.17	26	9.37	4
5	0.842	2	0.11	0.510 B	6	0.26	2.78	24	5.76	5
6	0.891	2	0.12	0.500 B	5	0.22	1.83	22	3.46	6
7	0.842	2	0.11	0.490 B	4	0.17	1.53	20	2.64	7
8	0.833	2	0.11	0.485 B	5 S	0.21	1.37	18	2.26	8
9	0.800 B	2	0.10	0.475 B	4	0.16	1.14	17	1.67	9
10	0.580 B	1	0.05	0.470 B	4	0.16	1.02	16	1.41	10
11	0.580 B	1 S	0.05	0.462 B	4	0.16	0.923	14	1.12	11
12	0.645 B	1	0.05	0.460 B	3	0.12	0.866	12	0.90	12
13	0.632 B	1	0.05	0.455 B	4	0.16	0.988	10	0.85	13
14	0.620 B	1	0.04	0.450 B	3	0.12	2.23	13	2.50	14
15	0.500 B	1	0.04	0.724	3	0.19	2.68	9 S	2.08	15
16	1.99	1	0.17	1.45	6	0.75	1.69	8	1.17	16
17	1.74	1	0.15	2.05	8	1.42	1.35	7	0.82	17
18	1.18	4	0.41	1.59	8	1.10	1.16	7	0.70	18
19	0.838	4	0.29	1.29	6	0.67	1.05	6	0.54	19
20	0.702	4	0.24	1.11	6	0.58	1.01	5	0.44	20
21	1.51	3	0.39	0.888	5	0.39	1.23	5	0.53	21
22	1.63	2	0.31	0.783	4 S	0.27	1.56	3 S	0.40	22
23	1.33	2	0.23	0.700 B	3	0.18	1.45	3	0.38	23
24	1.02	1	0.09	0.630 B	4	0.22	1.07	3	0.28	24
25	0.853	3 S	0.15	0.580 B	3	0.15	0.955	4	0.33	25
26	0.780 B	1	0.07	0.640 B	5	0.30	0.891	5	0.38	26
27	0.720 B	1	0.06	0.780 B	8 S	0.54	0.553	6	0.44	27
28	0.680 B	3	0.18	1.91	11	1.82	0.820 B	6	0.43	28
29	0.650 B	5	0.26				0.800 B	6	0.41	29
30	0.620 B	4	0.21				0.798 B	7	0.48	30
31	0.590 B	3	0.15				0.846	7	0.51	31
TOTAL	28.516		4.82	22.057		11.08	47.840		57.34	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.885	7	0.52	4.72	13	5.30	1.35	6	0.70	1
2	0.812	7 S	0.49	4.70	4	1.62	1.23	6	0.64	2
3	0.834	8	0.58	4.58	3 S	1.19	1.18	6	0.61	3
4	0.897	8	0.62	12.6	32	34.8	1.12	6 S	0.58	4
5	1.08	9	0.82	11.6	24	24.1	1.07	6	0.55	5
6	1.39	10	1.20	5.75	12	5.98	1.03	5	0.53	6
7	3.06	16	4.26	4.28	8	2.86	0.965	5	0.42	7
8	5.23	22	9.94	7.68	15	9.85	1.14	5	0.49	8
9	8.57	24	13.8	5.29	6	2.74	1.24	5	0.54	9
10	4.81	23	9.56	3.44	3 S	0.89	2.43	6	1.26	10
11	3.01	20	5.20	4.49	8	2.33	1.55	5	0.67	11
12	2.37	18 S	3.69	3.79	5	1.84	1.32	4	0.46	12
13	2.12	19	3.31	3.05	4	1.05	1.16	4	0.40	13
14	1.88	42	6.10	2.78	4	0.96	0.979	3	0.25	14
15	1.48	55	7.03	2.50	5	1.08	0.841	3	0.24	15
16	2.80	68	16.5	2.21	5	0.95	0.893	3	0.23	16
17	14.1	130 S	158	1.88	4	0.89	0.837	2	0.14	17
18	8.19	72	50.8	2.46	5	1.06	1.88	7	1.12	18
19	3.84	27	8.26	3.81	12	3.95	1.45	6	0.75	19
20	2.88	10	2.30	8.21	16	8.58	1.10	5	0.48	20
21	2.31	3	0.60	4.33	11	4.12	0.878	4 S	0.34	21
22	2.00	2	0.38	2.81	8 S	1.94	0.811	4	0.31	22
23	1.77	2 S	0.31	2.33	6	1.21	0.822	4	0.28	23
24	1.24	2	0.21	7.45 A	39	25.1	0.786	3	0.20	24
25	1.04	18	2.88	33.5 E	119	334	0.761	3	0.20	25
26	2.88	18	4.17	14.0 E	30	35.3	0.720	3	0.18	26
27	4.84	25	10.0	8.20 E	8	5.67	0.700	2	0.12	27
28	8.12	71	31.4	2.25 A	7 S	1.36	0.574	2	0.10	28
29	15.1	71	92.6	2.00	8 S	1.04	0.780	2	0.13	29
30	8.08	40	27.9	1.74	6	0.90	2.80	8	1.80	30
31				1.51	8	0.78				31
TOTAL	112.178		474.10	177.04		524.22	34.476		14.73	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

NEWFOUNDLAND

WATERFORD RIVER AT KILBRIDE - STATION NO. 02ZH003

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	1.73	8	1.20	0.264	3	0.07	1.88	4	0.68	1
2	1.11	7	0.67	1.37	4	0.47	1.54	5	0.67	2
3	0.884	5	0.45	0.722	4	0.25	0.892	4	0.31	3
4	0.730	5 S	0.36	0.466	4	0.15	0.704	5	0.30	4
5	0.701	6	0.36	0.394	4	0.14	0.857	5 S	0.26	5
6	0.623	6	0.32	0.335	3	0.09	0.474	5	0.20	6
7	0.559	6	0.29	0.268	3	0.07	0.483	5	0.21	7
8	0.597	7	0.42	0.277	3 S	0.07	0.530	5	0.23	8
9	0.780	7	0.47	0.270	3 S	0.07	0.577	5	0.28	9
10	0.658	7	0.40	0.251	3	0.07	0.444	5	0.19	10
11	0.807	6	0.31	0.271	3	0.07	1.17	5	0.81	11
12	0.555	6 S	0.28	0.286	3	0.07	1.84	5	0.99	12
13	0.484	6	0.25	0.261	3	0.07	0.887	5 S	0.48	13
14	0.440	5	0.19	0.270	2	0.07	0.838	7	0.39	14
15	0.395	5	0.17	0.273	3 S	0.07	0.513	6	0.27	15
16	0.405	4	0.14	0.255	3	0.07	0.650	5	0.23	16
17	0.425	4	0.15	0.272	3	0.07	0.634	5 S	0.22	17
18	1.12	5	0.48	0.270	2	0.05	0.381	5	0.15	18
19	5.25	45 S	20.4	0.241	2	0.04	0.326	5	0.14	19
20	2.81	20	4.51	0.260	2	0.04	0.292	4	0.10	20
21	2.14	11	2.03	0.252	2	0.04	0.302	4	0.10	21
22	1.31	7 S	0.79	0.251	2	0.04	0.275	3	0.07	22
23	0.766	6	0.41	0.591	4	0.20	0.285	2	0.05	23
24	0.655	6 S	0.35	0.841	3	0.17	0.223	2 S	0.04	24
25	0.546	5	0.24	0.415	3	0.11	0.222	1	0.02	25
26	0.464	5	0.20	0.330	2	0.08	0.228	1	0.02	26
27	0.412	5	0.18	0.278	2 S	0.05	0.241	1	0.02	27
28	0.394	4	0.14	0.271	2	0.05	0.244	1	0.02	28
29	0.280	4	0.10	0.601	3	0.18	0.237	1	0.02	29
30	0.295	3	0.08	1.85	5	0.80	0.231	1	0.02	30
31	0.304	3	0.08	1.45	2	0.25				31
TOTAL	28.341		35.65	14.186		4.00	17.280		7.09	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.245	1	0.02	0.713	2	0.12	0.707	2	0.12	1
2	0.239	2	0.04	2.20	5	0.95	0.840	2	0.11	2
3	0.236	2	0.04	1.57	2	0.27	4.88	8	3.37	3
4	0.278	1	0.02	1.11	3	0.18	2.67	7	1.61	4
5	0.235	1	0.02	0.853	3	0.15	1.49	6	0.77	5
6	0.365	2	0.06	0.748	2	0.13	1.26	5	0.54	6
7	0.403	2	0.07	0.898	2	0.12	1.12	5	0.48	7
8	0.300	2 S	0.05	1.67	8 S	1.15	0.913	4	0.32	8
9	0.290	2	0.05	1.19	5	0.51	0.831	4	0.29	9
10	0.278	2	0.05	1.01	4	0.35	0.743	3	0.19	10
11	0.247	2	0.04	1.18	4	0.40	0.723	3	0.19	11
12	0.383	2	0.07	0.816	3	0.21	0.630 B	3	0.16	12
13	0.439	2	0.08	1.18	3	0.31	0.852	2	0.11	13
14	0.455	2	0.08	1.98	4	0.68	0.541	2	0.09	14
15	0.426	1	0.04	1.17	3	0.20	1.38	7	0.82	15
16	1.34	3	0.35	0.874	3	0.23	0.827	7	0.59	16
17	1.05	4	0.37	0.878	3	0.23	0.678	6	0.46	17
18	0.518	4	0.18	3.61	8	2.83	0.668	5 S	0.29	18
19	0.488	5	0.22	4.51	16	8.23	0.523	5	0.23	19
20	0.724	5	0.31	2.80	13 S	3.14	0.470 B	4	0.16	20
21	0.768	5	0.33	2.34	10 S	2.02	0.445 B	4	0.16	21
22	0.733	5	0.32	2.43	7	1.47	0.430 B	4	0.15	22
23	0.721	4	0.25	1.78	6	0.92	0.420 B	4	0.15	23
24	0.613	4	0.21	1.51	5	0.65	0.410 B	4	0.14	24
25	0.485	4 S	0.17	1.20	5	0.52	0.400 B	3	0.10	25
26	0.518	4	0.18	1.07	4	0.37	5.56	38	18.3	26
27	0.521	3	0.14	0.911	3	0.24	7.23	37	23.1	27
28	0.432	3	0.11	0.819	3	0.21	3.31	16	4.58	28
29	0.483	3	0.12	0.872	3	0.23	2.34	12	2.32	29
30	0.482	2	0.09	0.780	3	0.19	1.81	9	1.41	30
31	0.511	2	0.09				1.73	6	0.90	31
TOTAL	15.205		4.17	44.840		25.12	48.591		82.17	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NEWFOUNDLAND

WATERFORD RIVER AT KILBRIDE - STATION NO. 02ZH006

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
JAN 02	10:35	0.5	0.738	6.4	DH48	2															
JAN 11	12:53	0.5	0.588 B	6.4	DH48	1															
JAN 25	14:10	0.5	0.440	6.4	DH48	3	291														
FEB 08	11:45	0.5	0.800 B	6.4	DH48	5															
FEB 22	15:25	0.5	0.890	6.4	DH48	4															
FEB 27	11:35	0.5	0.672 B	6.4	DH48	8	261														
MAR 15	13:50	1.0	2.55	8.0	DH48	9															
MAR 22	12:00	0.5	1.77	8.0	DH48	3															
APR 02	13:27	3.5	0.800	8.0	DH48	7															
APR 12	11:35	2.5	2.33	8.0	DH48	16															
APR 17	12:34	3.0	16.2	5.4	DH48	142	179														
APR 23	11:55	2.5	1.72	6.4	DH48	2															
MAY 03	13:31	6.0	4.05	6.4	DH48	3															
MAY 10	12:25	5.5	3.09	6.4	DH48	2															
MAY 22	09:07	7.0	2.81	6.4	DH48	8															
MAY 28	12:45	9.0	2.25	6.4	DH48	5															
MAY 29	13:15	11.0	1.98	6.4	DH48	3	155														
JUN 04	10:00	12.0	1.10	6.4	DH48	5															
JUN 21	10:18	15.0	0.977	6.4	DH48	4															
JUL 04	09:15	15.5	0.748	8.0	DH48	6															
JUL 12	12:37	21.0	0.610	6.4	DH48	8															
JUL 19	08:25	16.0	7.57	6.4	DH48	61															
JUL 22	08:10	14.5	1.50	8.0	DH48	7															
JUL 24	09:34	16.0	0.799	8.0	DH48	5															
AUG 08	10:05	16.0	0.282	8.0	DH48	5	176														
AUG 09	10:55	17.5	0.282	8.0	DH48	3															
AUG 15	10:00	14.5	0.287	8.0	DH48	3															
AUG 27	09:10	16.0	0.304	8.0	DH48	2															
SEP 05	12:25	13.5	0.527	8.0	DH48	5															
SEP 13	13:21	13.0	0.789	8.0	DH48	6															
SEP 17	10:25	10.0	0.428	8.0	DH48	6	131														
SEP 24	09:55	9.5	0.272	8.0	DH48	1															
OCT 08	13:10	12.0	0.287	8.0	DH48	2															
OCT 25	10:45	7.0	0.477	8.0	DH48	4															
NOV 08	14:05	7.5	1.48	8.0	DH48	7															
NOV 20	14:20	3.0	2.58	8.0	DH48	13															
NOV 21	10:07	3.5	2.13	8.0	DH48	9															
DEC 18	13:08	0.5	0.836	8.0	DH48	5															

NOTE : SINGLE VERTICAL LOCATED AT 6.5 METRES FOR 1985

DISCHARGE SYMBOL(S): B - ICE CONDITIONS

WATERFORD RIVER AT KILBRIDE - STATION NO. 02ZH006

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1978	----PCCCCCCC	MANUAL	57	SEP 29	5	JUL 05	40.0	DEC 19	308	---	---	---
1979	CCCCCCCCCCCC	MANUAL	303	APR 10 *	3	FEB 08	111	OCT 31	1 890	5.19	5.19	---
1980	CCCCCCCCCCCC	MANUAL	116	DEC 30	2	FEB 05	101	AUG 17	2 380	6.52	5.86	11.3
1981	CCCCCCCCCCCC	MANUAL	215	AUG 18	2	DEC 14	348	NOV 26 *	3 170 *	8.69	5.80	15.0
1982	CCCCCCCCCCCC	DUAL	84	SEP 19	2	FEB 12	158	SEP 19	1 320	3.63	6.01	17.6
1983	CCCCCCCCCCCC	DUAL	49	MAR 21	1	JAN 31 *	79.6	OCT 28	1 170	3.21	5.45	18.4
1984	CCCCCCCCCCCC	DUAL	87	APR 28	1	FEB 28	103	APR 14	1 080	2.95	5.03	18.2
1985	CCCCCCCCCCCC	MANUAL	142	APR 17	1	JAN 11	334	MAY 25	1 230	3.36	4.78	16.9

DUAL - MANUAL AND AUTOMATIC SAMPLING MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

NOVA SCOTIA

ANNAPOLIS RIVER AT WILMOT - STATION NO. 01DC005

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 44 56 59 N LONG 65 01 47 W
DRAINAGE AREA: 546 km²
TYPE OF FLOW: REGULATED
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 4 150 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	11.1	3 S	2.88	2.94 B	3	0.78	20.6 B	6	10.6	1
2	10.2 B	3	2.64	2.89 B	3	0.78	19.9 B	27	46.4	2
3	9.45 B	3	2.45	2.86 B	3	0.76	31.8	35 S	96.2	3
4	8.78 B	3	2.28	2.82 B	2	0.49	31.1	15	40.3	4
5	8.15 B	3	2.11	2.78 B	2	0.48	27.8 B	8	19.2	5
5	7.80 B	3	1.97	2.76 B	3	0.72	26.3 B	8 S	11.4	6
7	7.05 B	3	1.83	2.72 B	3	0.71	24.8 B	5	10.7	7
8	6.53 B	3	1.69	2.68 B	3	0.69	23.4	8	16.5	8
9	6.12 B	3	1.59	2.66 B	3	0.69	23.1	6	12.0	9
10	5.67 B	3	1.47	2.63 B	3	0.68	19.3	6 S	10.0	10
11	5.36 B	3	1.39	2.60 B	3	0.67	13.9	6	7.21	11
12	5.05 B	3	1.31	2.59 B	3	0.67	13.0	11	12.4	12
13	4.73 B	3	1.33	2.57 B	3	0.67	41.5 B	113 S	405	13
14	4.50 B	3	1.17	8.20 B	73	51.7	44.8 B	61 S	187	14
15	4.38 B	3	1.13	26.5	34	77.8	51.1	15 S	79.2	15
15	4.18 B	3	1.08	28.4	21	51.5	43.2	9 S	33.8	16
17	4.02 B	2	0.89	26.8	15	34.5	31.7	13 S	35.6	17
18	3.90 B	3	1.01	23.7	11	22.5	28.3	6	13.6	18
19	3.81 B	3	0.99	20.4	9	15.9	18.8 B	5 S	8.04	19
20	3.69 B	3	0.86	18.2 B	7	9.80	15.4 B	5	5.85	20
21	3.60 B	3	0.93	14.7 B	6	7.82	13.4 B	5	5.79	21
22	3.52 B	3	0.81	13.6 B	12	14.3	12.3 B	6	5.36	22
23	3.44 B	3	0.88	17.8	8	12.2	11.7 B	8	8.07	23
24	3.35 B	2	0.68	22.8	45	88.6	11.1 B	8 S	5.75	24
25	3.26 B	3	0.86	31.3	36	97.4	10.8 B	6	5.50	25
26	3.23 B	3	0.83	30.8	15	39.7	10.2 B	6	5.29	26
27	3.17 B	3	0.83	28.9	10 S	23.2	9.80 B	5	4.23	27
28	3.11 B	3	0.81	23.8 B	12 S	23.7	9.55 B	5	4.13	28
29	3.06 B	3	0.79				12.9	8 S	10.0	29
30	3.02 B	3	0.78				17.9	8	12.4	30
31	2.99 B	3	0.78				18.8	8	9.75	31
TOTAL	180.03		40.54	386.10		579.14	695.45		1 147.09	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	17.1	5	8.88	8.45	2	1.48	7.82	13	8.90	1
2	15.3	5	7.83	7.82	2 S	1.35	10.7	28	26.0	2
3	14.3	5 S	6.13	7.41	7	4.48	8.41	5	4.07	3
4	14.3	8	9.88	16.8	47 S	63.3	8.02	3	2.08	4
5	16.8	9	13.1	23.0	18 S	35.8	6.89	2	1.19	5
5	19.8	33 S	56.5	22.4	11	21.3	15.2	72 S	94.5	6
7	38.2	43 S	148	23.0	40 S	79.5	26.0	44 S	98.8	7
8	48.6	14 S	58.8	25.9	45	103	23.8	19 S	39.1	8
9	52.4	7 S	31.7	28.5	11 S	27.1	21.1	11	17.4	9
10	43.8	8 S	22.8	25.0	6	13.0	14.0	7	8.47	10
11	32.2	5	13.8	21.4	8	9.24	11.7	6	4.04	11
12	25.7	4	8.88	17.4	4 S	6.01	10.0	10	8.64	12
13	21.2	4	7.33	14.4	4	4.98	10.5	15	13.7	13
14	18.2	4 S	6.28	20.9	46 S	83.1	10.3	5	5.34	14
15	16.7	4	5.77	25.2	17 S	37.0	9.33	5	4.03	15
16	17.8	5	7.80	20.8	7 S	12.6	7.90	4 S	3.73	16
17	20.8	5 S	8.98	15.1	8	8.36	12.8	87	74.7	17
18	20.8	4	7.22	15.0	24	31.1	23.2	22 S	44.1	18
19	18.7	3	4.85	14.9	7	9.01	23.0	18	31.8	19
20	16.9	2 S	3.92	14.1	2 S	2.44	19.8	10 S	17.1	20
21	15.8	1 S	1.35	13.8	1	1.11	14.8	8	11.5	21
22	14.5	1	1.25	14.2	28 S	34.4	11.3	7	6.83	22
23	13.6	1	1.18	18.4	21	33.4	9.26	8 S	6.80	23
24	13.6	2 S	2.18	16.0	7	9.88	7.85	5	3.39	24
25	11.8	2	2.04	13.0	4	4.49	9.18	38 S	30.1	25
26	11.2	2	1.94	11.1	3	2.88	13.3	14	16.1	26
27	10.6	2	1.83	10.1	3	2.62	15.8	18	24.6	27
28	10.2	2 S	1.76	11.8	31	31.9	17.1	16	23.6	28
29	9.65	2	1.67	12.0	7	7.26	16.5	8	11.4	29
30	8.87	2	1.60	9.94	4	3.44	16.1	9 S	12.5	30
31				8.42	3	2.14				31
TOTAL	608.92		452.15	505.24		687.48	419.18		649.81	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NOVA SCOTIA

ANNAPOLIS RIVER AT WILMOT - STATION NO. 01DC005

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	14.5	8	11.4	4.19	36	13.0	7.39	13	8.19	1
2	11.8	8	8.16	8.76	28	21.3	8.08	6	3.14	2
3	9.59	8	6.63	7.67	8	3.82	4.78	4	1.66	3
4	8.11	8	5.61	5.83	3 E	1.81	4.60	4	1.59	4
5	6.92	8	4.78	4.84	3	1.26	5.08	3	1.32	5
6	5.98	8	4.65	4.18	3	1.08	4.52	3	1.17	6
7	8.17	16	8.60	3.89	3	0.97	3.88	2	0.67	7
8	8.37	8 E	4.40	3.60	3	0.86	3.61	1 E	0.30	8
9	5.89	8	4.04	4.74	3	0.82	3.95	1	0.28	9
10	5.34	7	3.23	4.55	3	0.78	3.67	1	0.23	10
11	5.01	7	3.03	4.06	1 E	0.35	3.61	1	0.23	11
12	4.77	7	2.88	3.81	1	0.33	3.83	1	0.22	12
13	4.26	6	2.21	3.67	1	0.33	3.35	1	0.20	13
14	3.84	8	1.99	3.47	1	0.30	3.26	1	0.20	14
15	3.63	8	1.85	3.30	1	0.28	2.14	2 E	0.37	15
16	5.27	18 E	8.83	3.32	1	0.28	2.03	2	0.35	16
17	7.24	39	24.4	3.33	1	0.29	1.96	2	0.34	17
18	7.30	10	6.31	3.08	1	0.27	1.78	2	0.31	18
19	8.05	8	3.14	3.85	1	0.35	1.80	2	0.31	19
20	5.48	4	1.90	2.81	1	0.24	1.79	2	0.31	20
21	5.31	4 E	1.84	2.80	1	0.24	1.68	2	0.29	21
22	4.74	4	1.64	2.69	1 E	0.23	1.66	2 E	0.27	22
23	4.48	4	1.55	3.80	36	11.2	1.67	3	0.27	23
24	4.13	3	1.07	3.80	7	2.16	1.67	2	0.25	24
25	3.68	3	1.01	3.36	1 E	0.28	1.39	2	0.24	25
26	3.63	2	0.83	3.68	1	0.32	1.63	2	0.26	26
27	4.23	2	0.73	3.76	1	0.32	1.63	2	0.25	27
28	4.40	2 E	0.76	3.64	1	0.30	1.64	2	0.26	28
29	3.82	2	0.68	3.38	1	0.28	1.61	2	0.24	29
30	3.76	2	0.65	2.76	1	0.24	1.38	2	0.24	30
31	3.59	2	0.62	4.39	34	12.9				31
TOTAL	178.84		128.02	133.33		78.33	81.47		33.91	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	1.34	2	0.23	1.82	1 E	0.16	4.86 E	3 E	1.26	1
2	1.38	1	0.12	1.73	1 E	0.15	4.83 E	4 E	1.67	2
3	1.36	1	0.12	1.70	1 E	0.15	7.36 E	5 E	3.18	3
4	1.37	2	0.24	1.63	1 E	0.14	7.06 E	5 E	3.06	4
5	1.42	2	0.25	2.16	1 E	0.19	8.86 E	4 E	2.37	5
6	1.49	1	0.13	3.72	22 E	7.07	8.80 E	6 E	4.58	6
7	1.52	1	0.13	7.14	27 E	16.7	8.36 E	3 E	1.65	7
8	1.48	1	0.13	8.63	8 E	3.86	8.13 E	7 E	3.71	8
9	1.41	1	0.12	7.11	2 E	1.23	8.93 E	7	3.88	9
10	1.51	21	2.74	7.84	33 E	21.7	8.73 E	5	2.46	10
11	2.09	14	2.63	13.8	37 E	44.4	8.88 E	4	1.82	11
12	2.18	4	0.78	13.3	10 E	10.9	8.40 E	4	1.67	12
13	1.97	3	0.61	11.8	24 E	24.1	8.28 E	4 E	1.61	13
14	1.86	3	0.61	16.1	37 E	37.8	8.06 E	4 E	1.76	14
15	1.83	8	1.33	14.3	8 E	9.86	4.99 E	3 E	1.39	15
16	4.82	45	18.0	12.0	5 E	5.18	4.85 E	3 E	1.26	16
17	4.64	10	4.01	10.8	20 E	18.8	4.74 E	3 E	1.23	17
18	3.88	5	1.56	17.0	19 E	27.8	4.66 E	3 E	1.21	18
19	3.39	3	0.85	15.2	6 E	10.5	4.68 E	3 E	1.19	19
20	2.98	2 E	0.51	12.6	4 E	4.32	4.62 E	3 E	1.17	20
21	2.86	2	0.46	11.0	2 E	1.98	4.42 E	3 E	1.15	21
22	2.68	2	0.43	9.61	1 E	0.83	4.27 E	2 E	0.79	22
23	2.57	2	0.41	8.82	1 E	0.74	4.27 E	2 E	0.74	23
24	2.50	2	0.40	8.06	2 E	1.40	4.33 E	2 E	0.73	24
25	2.30	2	0.38	7.69	2 E	1.31	4.18 E	2 E	0.67	25
26	2.21	2	0.38	8.81	2 E	1.14	8.09 E	33 E	16.6	26
27	2.13	2 E	0.37	8.87	2 E	1.03	8.73 E	8 E	2.87	27
28	2.03	2	0.35	8.36 E	2 E	0.92	8.43 E	4 E	1.66	28
29	1.98	2	0.34	8.06 E	2 E	0.87	8.19 E	4 E	1.78	29
30	2.30	1	0.30	4.84 E	2 E	0.85	8.03 E	3 E	1.36	30
31	1.84	1 E	0.17				4.83 E	2 E	0.88	31
TOTAL	68.34		38.68	252.02		255.44	185.30		76.08	TOTAL

E - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

ANNAPOLIS RIVER AT WILMOT - STATION NO. 01DC005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 01	11:55	0.5	11.2		15.0	D49	3															
FEB 27	10:45	0.5	26.2		15.0	D49	10	92														
FEB 28	15:55	0.5	32.9	B	15.0	D49	12															
MAR 03	09:15	0.5	32.6		15.0	D49	35															
MAR 06	17:00	0.5	26.3	B	15.0	D49	5															
MAR 10	08:20	0.5	30.4		15.0	D49	6															
MAR 13	08:45	1.0	41.5	B	15.0	D49	113															
MAR 14	08:15	0.5	44.6	B	15.0	D49	82															
MAR 15	08:30	1.0	84.8		15.0	D49	18	87														
MAR 16	09:22	0.5	44.0		15.0	D49	4															
MAR 17	09:25	0.5	31.2		15.0	D49	5															
MAR 19	10:35	0.5	16.6	B	15.0	D49	6															
MAR 24	09:10	0.5	11.1	B	15.0	D49	7															
MAR 29	10:40	3.5	11.8		15.0	D49	4															
APR 03	10:05	2.0	16.1		15.0	D49	5															
APR 06	08:30	2.5	18.4		15.0	D49	5															
APR 07	14:35	6.0	41.5		15.0	D49	26															
APR 08	08:10	5.0	46.9		15.0	D49	15															
APR 09	09:55	2.5	52.9		15.0	D49	7															
APR 10	10:30	0.5	44.8		15.0	D49	6															
APR 14	09:10	0.5	16.3		15.0	D49	4															
APR 17	10:20	2.0	20.8		15.0	D49	5															
APR 20	08:40	5.0	17.1		15.0	D49	3															
APR 21	16:50	9.0	16.4		15.0	D49	1															
APR 24	09:45	8.5	12.6		15.0	D49	2															
APR 28	12:50	10.0	10.2		15.0	D49	2															
MAY 02	10:00	11.0	13.1		15.0	D49	1															
MAY 04	15:57	7.0	17.0		15.0	D49	5															
MAY 05	09:35	7.0	23.0		15.0	D49	8	78														
MAY 07	15:40	8.0	33.4		15.0	D49	28															
MAY 08	10:15	8.0	28.4		15.0	D49	16															
MAY 12	09:45	11.0	16.0		15.0	D49	7															
MAY 14	13:10	8.0	21.1		15.0	D49	6															
MAY 15	09:45	7.0	42.9		15.0	D49	4															
MAY 16	09:47	10.0	33.1		15.0	D49	5															
MAY 20	08:40	14.0	14.5		15.0	D49	3															
MAY 22	15:15	15.0	14.9		15.0	D49	1															
JUN 06	12:55	14.0	14.8		15.0	D49	2	78														
JUN 07	11:45	12.0	26.8		15.0	D49	3															
JUN 04	16:30	14.0	23.4		15.0	D49	1															
JUN 18	07:47	14.0	22.6		15.0	D49	5															
JUN 19	10:00	14.5	33.8		15.0	D49	33															
JUN 20	09:00	15.0	20.8		15.0	D49	11															
JUN 23	15:05	19.0	3.09		15.0	D49	6															
JUN 25	12:20	15.5	9.84		15.0	D49	33															
JUN 30	09:35	16.0	18.3		15.0	D49	6															
JUL 08	09:15	19.0	8.93		15.0	D49	6															
JUL 16	15:52	20.5	20.4		15.0	D49	11	80														
JUL 21	09:35	20.0	5.52		15.0	D49	42															
JUL 28	09:35	21.0	4.60		15.0	D49	2															
AUG 04	14:45	20.0	5.84		15.0	D49	3															
AUG 11	20:46	21.0	3.87		15.0	D49	1															
AUG 22	19:05	21.0	2.73		15.0	D49	1															
AUG 25	15:14	18.0	3.48		15.0	D49	1															
SEP 08	14:20	17.5	3.47		15.0	D49	1															
SEP 15	09:37	12.0	2.12		15.0	D49	3															
SEP 22	14:50	17.0	1.61		15.0	D49	3															
OCT 20	13:35	8.0	2.98		15.0	D49	2															
OCT 27	08:40	7.0	2.09		15.0	D49	2															
OCT 31	11:45	8.0	1.66		15.0	D49	1															
NOV 01	16:35	8.0	1.96		15.0	D49	1															
NOV 02	13:20	8.0	1.91		15.0	D49	1															
NOV 03	09:20	7.0	1.71		15.0	D49	1															
NOV 04	18:40	7.5	1.70		15.0	D49	1															
NOV 05	11:30	7.5	2.10		15.0	D49	1															
NOV 06	18:40	10.0	2.15		15.0	D49	2															
NOV 07	16:30	11.0	7.93		15.0	D49	5															
NOV 08	17:00	8.0	8.88		15.0	D49	2															
NOV 10	15:25	7.0	7.99		15.0	D49	3															
NOV 11	15:10	8.0	15.0		15.0	D49	21															
NOV 12	15:40	8.0	11.8		15.0	D49	8															
NOV 13	15:35	7.0	11.7		15.0	D49	7															
NOV 14	15:20	6.0	10.3		15.0	D49	13															
NOV 15	15:50	4.0	14.3		15.0	D49	4															
NOV 16	13:55	2.5	11.7		15.0	D49	4															
NOV 17	13:50	2.0	9.89		15.0	D49	3															
NOV 18	15:40	4.0	17.4		15.0	D49	12															
NOV 19	15:50	4.5	14.7		15.0	D49	7															
NOV 20	15:40	5.0	12.3		15.0	D49	4															
NOV 21	15:50	5.0	10.8		15.0	D49	3															
NOV 22	10:55	5.0	9.31		15.0	D49	1															
NOV 23	15:20	4.0	8.43		15.0	D49	3															
NOV 24	00:30	3.0	23.0		15.0	D49	2															
NOV 25	16:40	2.0	16.8		15.0	D49	3															
NOV 26	16:45	1.0	10.9		15.0	D49	3															
NOV 27	15:50	1.0	8.17		15.0	D49	3															
NOV 28	16:45	1.0	8.36	B	15.0	D49	3															
NOV 29	10:50	1.0	8.08	B	15.0	D49	3															
NOV 30	15:45	1.0	4.84	B	15.0	D49	3															
DEC 01	14:30	0.5	4.85	B	15.0	D49	5															
DEC 02	15:40	2.0	4.82	B	15.0	D49	4	88														
DEC 03	15:50	1.0	7.38	B	15.0	D49	6															
DEC 04	15:45	0.5	7.05	B	15.0	D49	5															
DEC 05	15:50	0.5	6.88	B	15.0	D49	4															
DEC 06	15:40	0.5	6.80	B	15.0	D49	13															
DEC 07	15:45	0.5	6.38	B	15.0	D49	2															
DEC 08	15:50	0.5	6.13	B	15.0	D49	15	72														
DEC 13	15:43	0.5	5.35	B	15.0	D49	4															
DEC 14	12:00	0.5	5.08	B	15.0	D49	6															
DEC 15	09:57	0.5	4.98	B	15.0	D49	3															
DEC 16	15:42	0.5	4.85	B	15.0	D49	4															
DEC 17	17:00	0.5	4.74	B	15.0	D49	3															
DEC 18	17:12	0.5	4.66	B	15.0	D49	3	102														

NOTE - SINGLE VERTICAL LOCATED AT 15.0 METRES FOR 1985

DISCHARGE SYMBOL(S) B - ICE CONDITIONS

CONTINUED

NOVA SCOTIA

ANNAPOLIS RIVER AT WILMOT - STATION NO. 01DC005 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
DEC 19	16:45	0.5	4.58 B	15.0	D48	3															
DEC 20	17:00	0.5	4.52 B	15.0	D48	3															
DEC 21	13:45	0.5	4.42 B	15.0	D48	3															
DEC 22	09:40	0.5	4.37 B	15.0	D48	2															
DEC 23	16:20	0.5	4.37 B	15.0	D48	2															
DEC 24	16:55	0.5	4.33 B	15.0	D48	3															
DEC 25	16:00	0.5	4.15 B	15.0	D48	2															
DEC 26	17:20	0.5	5.09 B	15.0	D48	7															
DEC 27	15:50	0.5	5.73 B	15.0	D48	5															
DEC 28	16:40	0.5	5.43 B	15.0	D48	4															
DEC 29	16:10	0.5	5.19 B	15.0	D48	4															
DEC 30	16:35	0.5	5.03 B	15.0	D48	3															
DEC 31	16:00	0.5	4.83 B	15.0	D48	2															

NOTE : SINGLE VERTICAL LOCATED AT 15.0 METRES FOR 1985

DISCHARGE SYMBOL(S) B - ICE CONDITIONS

ANNAPOLIS RIVER AT WILMOT - STATION NO. 01DC005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1967	----------C	MANUAL	33	DEC 17	4	DEC 25	231	DEC 05	1 470	---	---	---
1968	CCCCCCCCCCCC	MANUAL	67	NOV 28	2	JAN 01	285	NOV 30	4 690	12.5	12.5	---
1969	CCCCCCCCCCCC	MANUAL	38	MAY 21	1	JUN 15 *	142	DEC 23	3 240	8.87	10.7	17.0
1970	CCCCCCCCCCCC	MANUAL	88	MAR 27	1	JAN 11	343	FEB 04	2 930	8.02	9.80	14.0
1971	CCCCCCCCCCCC	MANUAL	45	MAY 17	1	JUL 25	341	AUG 17	4 080	11.2	10.1	10.2
1972	CCCCCCCCCCCC	MANUAL	51	MAY 05	1	NOV 26	508	MAY 05	5 370	14.7	11.1	10.8
1973	CCCCCCCCCCCC	MANUAL	200	DEC 07	1	APR 08	467	DEC 07	5 020	16.5	12.0	11.3
1974	CCCCCCCCCCCC	MANUAL	385	SEP 04 *	1	APR 27	259	SEP 04	4 880	13.3	13.2	9.4
1975	CCCCCCCCCCCC	MANUAL	112	NOV 14	2	SEP 14	205	MAR 21	4 110	11.3	12.0	8.4
1976	CCCCCCCCCCCC	MANUAL	75	DEC 08	1	FEB 01	601	DEC 27	7 670	20.7	13.0	10.0
1977	CCCCCCCCCCCC	MANUAL	42	SEP 15	2	AUG 07	230	OCT 02	5 900	16.2	13.3	9.1
1978	CCCCCCCCCCCC	MANUAL	87	JAN 15	1	JAN 04	572	JAN 15 *	3 930	10.8	13.1	8.5
1979	CCCCCCCCCCCC	MANUAL	77	AUG 13	1	JAN 19	580	JAN 30	8 530 *	23.4	14.0	9.5
1980	CCCCCCCCCCCC	MANUAL	80	NOV 11	1	AUG 17	148	APR 05	3 470	9.48	13.8	9.4
1981	CCCCCCCCCCCC	MANUAL	74	MAR 31	1	DEC 29	284	NOV 21	5 200	14.3	13.7	8.6
1982	CCCCCCCCCCCC	MANUAL	89	APR 28	1	AUG 05	208	APR 29	3 330	9.12	13.4	9.5
1983	CCCCCCCCCCCC	MANUAL	86	MAY 03	1	AUG 28	161	MAR 14	3 950	10.8	13.2	8.2
1984	CCCCCCCCCCCC	MANUAL	75	DEC 11	2	NOV 18	195	MAR 15	4 210	11.8	13.1	7.8
1985	CCCCCCCCCCCC	MANUAL	113	MAR 13	1	APR 21	405	MAR 13	4 150	11.4	13.0	7.4

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH * - EXTREME FOR PERIOD OF RECORD

APRIL BROOK AT GILLISDALE - STATION NO. 01FB005

MONTHLY AND ANNUAL TOTAL VOLUMETRIC BED LOAD IN CUBIC METRES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	YEAR
1968	---	---	---	---	---	---	---	10.2	3.7	0	3.4	3.5	---	1968
1969	0	5.3	0	5.4	1.1	0	0	0	0	0	1.4	1.1	18.3	1969
1970	0	1.1	0	2.3	5.0	0	0	0	0	4.1	4.3	0	16.8	1970
1971	0	12.8	0	29.4	0	0	0	38.1	0	0	15.6	0	96.9	1971
1972	0	0	0	0	57.2	12.2	0	0	0	2.8	3.3	2.8	77.8	1972
1973	0	0	2.8	2.8	0	0	0	0	0	1.3	2.2	2.8	11.8	1973
1974	0	0	2.8	5.7	2.4	0	0	0	0	0	0	2.4	13.0	1974
1975	0	0	0	9.8	13.1	0	0	0	0	0	1.1	2.4	25.3	1975
1976	1.7	1.7	1.2	1.8	1.1	0	0	0	0	1.8	2.2	3.3	13.3	1976
1977	1.4	0	0	2.3	1.8	0	0	0	---	---	---	---	---	1977
MEAN	0.3	2.4	0.7	6.6	9.0	1.4	0	4.8	0.4	1.0	3.7	1.9	33.8	MEAN

BED LOAD MEASURED BY VOLUMETRIC METHOD. MONTHLY DISTRIBUTION ESTIMATED.

NOVA SCOTIA

FRASER BROOK NEAR ARCHIBALD - STATION NO. 01DH003

MONTHLY AND ANNUAL TOTAL VOLUMETRIC BED LOAD IN CUBIC METRES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	YEAR
1967	0	0	0	0	0	0	0	0	0	3.1	0	0	3.1	1967
1968	0	0	1.8	0	0	0	0	0	0	0	0	0	1.8	1968
1969	0	0	0	0	0	0	0	0	0.8	0	0	0	0.8	1969
1970	0	0	0	0	0	0	0	0	0.8	0	0	0	0.8	1970
1971	0	3.4	0	0	0	0	0	0	0	0	0	0	3.4	1971
1972	0	0	0.8	0.5	1.8	0.5	0	0	0	0.5	1.8	1.2	7.3	1972
1973	0	0	1.5	1.8	0.8	0.4	0	0.5	0	0	0	0	5.2	1973
MEAN	0	0.5	0.6	0.3	0.6	0.1	0	0.1	0.2	0.5	0.3	0.2	3.2	MEAN

BED LOAD MEASURED BY VOLUMETRIC METHOD. MONTHLY DISTRIBUTION ESTIMATED.

NOVA SCOTIA

KELLEY RIVER (MILL CREEK) AT EIGHT MILE FORD - STATION NO. 01DL001

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 45 38 10 N LONG 64 27 05 W
DRAINAGE AREA: 83.2 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 78.9 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.480 B	1	0.04	0.173 B	1	0.01	0.710 B	2	0.12	1
2	0.430 B	1	0.04	0.171 B	1	0.01	1.20 B	1	0.10	2
3	0.385 B	1	0.03	0.170 B	2	0.03	2.35 B	2	0.41	3
4	0.360 B	1	0.03	0.169 B	1	0.01	1.80 B	3	0.41	4
5	0.335 B	1	0.03	0.186 B	1	0.01	1.33 B	2	0.23	5
6	0.315 B	2	0.05	0.187 B	1	0.01	1.10 B	3	0.19	6
7	0.298 B	1 S	0.03	0.186 B	1	0.01	0.980 B	2	0.17	7
8	0.282 B	1	0.02	0.185 B	1	0.01	0.880 B	2	0.15	8
9	0.266 B	1	0.02	0.185 B	1	0.01	0.790 B	1	0.07	9
10	0.253 B	1	0.02	0.184 B	1	0.01	0.710 B	1	0.06	10
11	0.245 B	1	0.02	0.184 B	1 S	0.01	0.643 B	1 S	0.06	11
12	0.237 B	1	0.02	0.183 B	1	0.01	0.580 B	3	0.10	12
13	0.228 B	1	0.02	0.182 B	1	0.01	1.85 B	8	1.28	13
14	0.216 B	1	0.02	0.350 B	8	0.18	10.3 B	8	4.45	14
15	0.210 B	1	0.02	1.05 B	4	0.37	9.50 B	3	2.46	15
16	0.205 B	1	0.02	0.940 B	3	0.24	5.70 B	4	2.32	16
17	0.202 B	1	0.02	0.800 B	2	0.14	5.60 B	3	1.45	17
18	0.198 B	1	0.02	0.650 B	3 S	0.17	4.80 B	2	0.79	18
19	0.197 B	1	0.02	0.590 B	2	0.10	3.80 B	4	1.31	19
20	0.194 B	1	0.02	0.510 B	2	0.09	3.30 B	3	0.86	20
21	0.192 B	1	0.02	0.470 B	1	0.04	2.92 B	2	0.50	21
22	0.190 B	1	0.02	0.435 B	1	0.04	2.60 B	4	0.90	22
23	0.188 B	1	0.02	0.500 B	1	0.04	2.35 B	3	0.61	23
24	0.185 B	1	0.02	0.760 B	3	0.20	2.19 B	3	0.38	24
25	0.183 B	1	0.02	1.02 B	2	0.18	2.02 B	2	0.35	25
26	0.182 B	1	0.02	0.900 B	1	0.04	1.88 B	2	0.33	26
27	0.180 B	1	0.02	0.810 B	2	0.14	1.70 B	3	0.28	27
28	0.178 B	1	0.02	0.730 B	1	0.06	1.80 B	2	0.28	28
29	0.177 B	1	0.03				1.80 B	1	0.18	29
30	0.175 B	1	0.02				2.70 B	3	0.70	30
31	0.174 B	1	0.02				2.85 B	3	0.74	31
TOTAL	7.853		0.73	12.672		3.33	83.142		22.03	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	2.13	2	0.37	0.674	1	0.06	1.84	4	0.64	1
2	1.58	1 S	0.14	0.621	1	0.05	4.38	4	1.46	2
3	1.38	1	0.12	0.594	1	0.05	3.37	3	0.39	3
4	1.34	1	0.12	1.52	4	0.59	1.58	1	0.14	4
5	1.64	1	0.13	3.66	2	0.61	1.19	1 S	0.10	5
6	2.26	1	0.20	3.36	1	0.39	4.61	5	1.99	6
7	14.0	9	8.47	2.87	1	0.25	7.29	3	1.26	7
8	8.66	2	1.69	3.49	1 S	0.30	4.37	0	0	8
9	4.55	1	0.38	3.80	2	0.66	2.49	0	0	9
10	3.33	1	0.28	3.04	2	0.53	1.83	1	0.16	10
11	2.62	1 S	0.21	2.88	1	0.23	1.57	1	0.14	11
12	2.16	1	0.19	2.01	1	0.17	1.30	1	0.11	12
13	1.87	1	0.16	1.88	1	0.18	1.76	1	0.15	13
14	1.61	1	0.14	3.48	4	1.21	1.59	1 S	0.14	14
15	1.80	1	0.14	3.68	2	0.82	1.38	1	0.11	15
16	3.75	2 S	0.48	2.28	1	0.30	1.02	1	0.09	16
17	3.67	1	0.32	1.76	1 S	0.18	1.88	2	0.34	17
18	2.63	1	0.21	1.84	1	0.16	2.49	1	0.22	18
19	1.84	1	0.17	1.65	1	0.13	1.88	1	0.16	19
20	1.73	1	0.15	1.23	1	0.11	1.80	1	0.13	20
21	1.84	1	0.13	1.02	1	0.08	1.08	1 S	0.08	21
22	1.38	1 S	0.12	2.36	4	0.81	0.851	1	0.07	22
23	1.26	1	0.11	3.34	2 S	0.68	0.718	1	0.06	23
24	1.11	1	0.10	3.01	1	0.17	0.616	1 S	0.05	24
25	1.04	1	0.09	1.62	1	0.13	1.19	3	0.30	25
26	0.988	1	0.09	1.32	1	0.11	2.85	6	1.37	26
27	0.914	1	0.08	1.40	1	0.12	3.12	5 S	1.35	27
28	0.836	1	0.07	1.98	2	0.34	5.34	5	2.77	28
29	0.772	1 S	0.07	1.57	1	0.14	3.53	4	1.22	29
30	0.737	1	0.06	1.19	1	0.10	2.79	2	0.48	30
31				0.913	1	0.08				31
TOTAL	73.385		14.80	84.471		8.24	89.975		15.51	TOTAL

B - ICE CONDITIONS S - SAMPLE(S) COLLECTED THIS DAY

NOVA SCOTIA

KELLEY RIVER (MILL CREEK) AT EIGHT MILE FORD - STATION NO. 01DL001

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	1.87	1	0.16	0.775	4 S	0.27	1.14	3	0.30	1
2	1.29	1 S	0.11	2.45	4	0.85	0.703	1	0.08	2
3	1.01	1	0.08	1.11	1	0.10	0.510	1	0.04	3
4	0.829	1	0.07	0.680	1	0.06	0.425	1	0.04	4
5	0.671	1	0.06	0.476	3 S	0.12	0.474	1	0.04	5
6	0.585	1	0.05	0.350	1	0.03	0.448	1	0.04	6
7	0.866	1	0.08	0.279	1	0.02	0.377	1	0.03	7
8	1.19	1 S	0.10	0.244	1 S	0.02	0.315	1	0.03	8
9	0.819	1	0.07	0.255	1	0.02	0.284	1	0.02	9
10	0.630	1	0.05	0.240	1	0.02	0.218	1 S	0.02	10
11	0.574	1	0.05	0.222	1	0.02	0.211	1	0.02	11
12	0.556	1	0.05	0.205	1	0.02	0.213	1 S	0.02	12
13	0.480	1	0.04	0.190	1	0.02	0.205	1	0.02	13
14	0.511	1	0.04	0.181	1	0.02	0.193	1	0.02	14
15	0.434	1	0.04	0.165	1 S	0.01	0.182	1	0.02	15
16	0.950	2	0.16	0.154	1	0.01	0.184	1	0.01	16
17	3.03	4	1.05	0.155	1	0.01	0.150	1	0.01	17
18	2.42	2 S	0.42	0.142	1	0.01	0.143	1	0.01	18
19	1.48	2	0.26	0.136	1	0.01	0.137	1	0.01	19
20	1.04	2	0.18	0.130	1	0.01	0.128	1	0.01	20
21	0.751	2	0.13	0.131	1	0.01	0.121	1	0.01	21
22	0.566	1 S	0.05	0.126	1	0.01	0.110	1	0.01	22
23	0.472	1	0.04	0.121	1	0.01	0.104	1	0.01	23
24	0.384	1 S	0.03	0.131	1	0.01	0.105	1	0.01	24
25	0.332	2 S	0.06	0.133	1	0.01	0.103	1	0.01	25
26	0.294	2	0.05	0.124	1	0.01	0.088	1	0.01	26
27	0.302	1	0.03	0.461	3	0.12	0.088	1	0.01	27
28	0.296	2	0.05	0.787	2	0.14	0.090	1	0.01	28
29	0.259	2 S	0.04	0.503	1	0.04	0.088	1	0.01	29
30	0.227	2	0.04	0.352	1	0.03	0.085	1	0.01	30
31	0.197	2	0.03	0.383	3	0.10				31
TOTAL	25.405		3.68	11.771		2.14	7.584		0.87	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.085	1	0.01	0.214	1	0.02	0.375 B	1	0.03	1
2	0.081	1	0.01	0.218	1	0.02	0.350 B	1	0.03	2
3	0.078	1	0.01	0.228	1	0.02	0.495 B	1	0.04	3
4	0.077	1	0.01	0.225	1	0.02	0.425 B	1	0.04	4
5	0.080	1	0.01	0.219	1 S	0.02	0.390 B	1	0.03	5
6	0.081	1	0.01	0.497	4	0.17	0.360 B	1	0.03	6
7	0.106	1	0.01	2.88	7	1.75	0.340 B	1	0.03	7
8	0.103	1	0.01	1.92	2	0.33	0.320 B	1	0.03	8
9	0.086	1 S	0.01	1.19	1	0.10	0.300 B	2	0.05	9
10	0.130	1	0.01	1.21	1	0.10	0.288 B	2	0.05	10
11	0.428	3	0.11	1.72	1	0.15	0.277 B	2 S	0.05	11
12	0.388	1	0.03	1.33	1	0.11	0.261 B	2	0.05	12
13	0.291	1	0.03	1.75	3	0.45	0.248 B	1	0.02	13
14	0.247	1	0.02	2.26	2	0.38	0.239 B	1	0.02	14
15	0.267	1	0.02	1.67	1	0.14	0.236 B	1	0.02	15
16	1.83	3	0.47	1.24	1	0.11	0.214 B	1	0.02	16
17	1.10	2	0.19	1.17	2	0.20	0.202 B	1	0.02	17
18	0.853	2	0.11	2.23	2	0.38	0.196 B	1	0.02	18
19	0.527	1	0.05	1.75	1	0.15	0.187 B	1	0.02	19
20	0.448	1	0.04	1.41	1	0.12	0.180 B	1	0.02	20
21	0.378	1	0.03	1.15	1	0.10	0.172 B	1	0.01	21
22	0.324	1	0.03	0.944	1	0.08	0.167 B	1	0.01	22
23	0.297	1	0.03	0.810	1	0.07	0.160 B	1	0.01	23
24	0.273	1	0.02	0.767	1	0.07	0.155 B	1	0.01	24
25	0.270	1	0.02	0.670	1	0.06	0.450 B	1	0.04	25
26	0.320	1	0.03	0.590 B	1	0.05	4.00 B	1	0.35	26
27	0.301	1	0.03	0.515 B	1	0.04	3.70 B	1	0.32	27
28	0.303	1	0.03	0.485 B	1	0.04	1.95 B	1	0.17	28
29	0.287	1	0.02	0.440 B	1	0.04	1.35 B	1	0.12	29
30	0.241	1	0.02	0.405 B	1	0.03	1.13 B	1	0.10	30
31	0.229	1	0.02				0.880 B	1	0.08	31
TOTAL	10.328		1.45	32.115		5.34	20.085		1.84	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NOVA SCOTIA

KELLEY RIVER (MILL CREEK) AT EIGHT MILE FORD - STATION NO. 01DL001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	PERCENT SILT	PERCENT CLAY
JAN 07	14:45	0.5	0.298 B	10LB	DH48	1															
FEB 11	13:00	0.5	0.184 B	10LB	DH48	1	33														
FEB 18	11:50	0.5	0.880 B	10LB	DH48	3															
MAR 11	15:15	0.5	0.842 B	10LB	DH48	1															
APR 02	10:45	1.0	1.88	10LB	DH48	1	34														
APR 11	10:00	1.0	2.31	10LB	DH48	1															
APR 16	10:40	5.5	2.40	10LB	DH48	1															
APR 22	12:00		1.31	10LB	PWS	1															
APR 22	12:15	10.0	1.31	10LB	DH48	1															
APR 22	16:00		1.28	10LB	PWS	1															
APR 29	13:00	8.0	0.781	10LB	DH48	1															
MAY 06	11:20		3.15	10LB	DH48	1															
MAY 17	10:15	10.0	1.78	10LB	DH48	1															
MAY 23	13:30	12.0	3.28	10LB	DH48	1	40														
JUN 05	11:45	13.0	1.20	10LB	DH48	1															
JUN 14	11:45	10.0	1.61	10LB	DH48	2															
JUN 21	10:50	16.5	1.11	10LB	DH48	1															
JUN 24	12:15		0.588	10LB	PWS	1															
JUN 24	12:20		0.588	10LB	PWS	1															
JUN 24	13:00	19.0	0.588	10LB	DH48	1															
JUN 24	16:00		0.575	10LB	PWS	1															
JUN 27	16:00		2.97	10LB	PWS	4															
JUL 02	10:30	15.5	1.32	10LB	DH48	1															
JUL 08	11:15	15.5	1.21	10LB	DH48	1															
JUL 18	10:45	16.5	2.59	10LB	DH48	2															
JUL 22	13:30	15.5	0.588	10LB	DH48	1															
JUL 22	13:31		0.588	10LB	PWS	3															
JUL 22	16:00		0.581	10LB	PWS	3															
JUL 24	10:00	16.5	0.389	10LB	DH48	1															
JUL 25	16:00		0.324	10LB	PWS	3															
JUL 29	16:00		0.238	10LB	PWS	3															
AUG 01	16:00		0.726	10LB	PWS	5															
AUG 05	16:00		0.480	10LB	PWS	7															
AUG 08	16:00		0.249	10LB	PWS	1															
AUG 15	09:10	16.0	0.166	10LB	DH48	1															
AUG 15	14:00		0.166	10LB	PWS	1															
SEP 10	09:10		0.213	10LB	PWS	4															
SEP 10	09:30	11.5	0.213	10LB	DH48	1															
SEP 12	16:00		0.209	10LB	PWS	1															
OCT 08	10:00	10.0	0.098	10LB	DH48	1															
NOV 05	10:30	4.5	0.217	10LB	DH48	1															
DEC 11	11:30	0.5	0.903 B	10LB	DH48	2															

NOTE : SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

DISCHARGE SYMBOL(S): B - ICE CONDITIONS

KELLEY RIVER (MILL CREEK) AT EIGHT MILE FORD - STATION NO. 01DL001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY - JAN-DEC MEAN LOAD (TONNES)	SUMMARY - JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY - JAN-DEC STANDARD ERROR OF MEAN %
1971	CCCCCCCCCCCC	AUTO	16	OCT 11	0	JUN 18 *	15.2	APR 15	251	0.69	0.69	---
1972	CCCCCCCCCCCC	AUTO	71	MAY 04 *	0	JUN 27	252	MAY 04 *	936 *	2.56	1.83	57.4
1973	----PCCCCCCC	AUTO	24	JUN 17	0	OCT 26	8.88	JUN 17	143	---	---	---
1974	------CCCCCC	MANUAL	14	DEC 10	1	OCT 05	38.2	NOV 26	189	---	---	---
1975	CCCCCCCCCCCC	MANUAL	9	APR 21	1	JAN 08	168	NOV 14	530	1.45	1.57	34.6
1976	CCCCCCCCCCCC	MANUAL	27	AUG 30	1	MAR 01	83.7	JAN 29	686	1.87	1.84	23.9
1977	CCCCCCCCCCCC	MANUAL	18	JUL 13	2	FEB 14	85.1	OCT 02	548	1.50	1.81	18.9
1978	CCCCCCCCCCCC	MANUAL	5	MAR 07	1	APR 17	77.9	APR 21	264	0.72	1.47	18.7
1979	CCCCCCCCCCCC	MANUAL	30	JAN 03	1	FEB 08	70.6	MAR 15	551	1.51	1.47	18.7
1980	CCCCCCCCCCCC	MANUAL	6	APR 21	1	JAN 21	60.2	DEC 04	272	0.74	1.38	18.7
1981	CCCCCCCCCCCC	MANUAL	8	OCT 19	1	JAN 05	108	DEC 03	481	1.32	1.37	14.9
1982	CCCCCCCCCCCC	MANUAL	7	MAY 19	1	JAN 12	28.8	APR 28	200	0.55	1.28	15.5
1983	CCCCCCCCCCCC	DUAL	7	MAY 03	1	APR 21	19.7	DEC 14	207	0.57	1.23	15.6
1984	CCCCCCCCCCCC	DUAL	33	AUG 16	1	MAR 05	13.4	JUL 08	174	0.48	1.16	18.1
1985	CCCCCCCCCCCC	DUAL	7	AUG 05	1	JAN 07	8.47	APR 07	79.8	0.22	1.08	17.1

AUTO - AUTOMATIC SAMPLING DUAL - MANUAL AND AUTOMATIC SAMPLING MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

NOVA SCOTIA

PEMBROKE RIVER AT GLENDERVIE - STATION NO. 01DG018

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 45 15 54 N LONG 62 55 29 W
DRAINAGE AREA: 73.3 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 386 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	1.50 B	1	0.13	0.238 B	1	0.02	0.870 B	2	0.12	1
2	1.25 B	1	0.11	0.233 B	1	0.02	0.650 B	2	0.11	2
3	1.10 B	1	0.10	0.227 B	1	0.02	4.80 B	8 S	3.38	3
4	0.970 B	1	0.08	0.232 B	1	0.02	8.40 B	2	1.11	4
5	0.890 B	1	0.08	0.217 B	1 S	0.02	5.30 B	1	0.45	5
6	0.820 B	1	0.07	0.214 B	1	0.02	3.80 B	1	0.33	6
7	0.740 B	1	0.06	0.210 B	1	0.02	3.00 B	1	0.26	7
8	0.690 B	1 S	0.06	0.206 B	1	0.02	2.50 B	1	0.22	8
9	0.630 B	1	0.05	0.203 B	1	0.02	2.15 B	1	0.19	9
10	0.590 B	1	0.05	0.200 B	1	0.02	1.95 B	1	0.17	10
11	0.550 B	1	0.05	0.197 B	1	0.02	1.82 B	1	0.16	11
12	0.520 B	1	0.04	0.194 B	1	0.02	1.70 B	1	0.15	12
13	0.490 B	1	0.04	0.192 B	1	0.02	9.10 B	13 S	10.2	13
14	0.460 B	1	0.04	0.630 B	2 S	0.11	8.40 B	8	5.80	14
15	0.440 B	1	0.04	5.70 B	4	1.97	5.00 B	4 S	1.73	15
16	0.418 B	1 S	0.04	5.80 B	4	1.94	3.80 B	3	0.98	16
17	0.398 B	1	0.03	3.70 B	2	0.84	3.10 B	3	0.80	17
18	0.384 B	1	0.03	2.80 B	1	0.22	2.40 B	3	0.62	18
19	0.367 B	1	0.03	1.80 B	1	0.18	1.95 B	2	0.34	19
20	0.355 B	1	0.03	1.30 B	1	0.11	1.70 B	2	0.29	20
21	0.342 B	1	0.03	1.10 B	1	0.10	1.51 B	1	0.13	21
22	0.332 B	1	0.03	1.00 B	1	0.09	1.38 B	1	0.12	22
23	0.317 B	1	0.03	0.900 B	1	0.08	1.18 B	1	0.10	23
24	0.310 B	1	0.03	0.830 B	1	0.07	1.08 B	1	0.09	24
25	0.295 B	1	0.03	0.780 B	2 S	0.13	1.03 B	1	0.09	25
26	0.284 B	1	0.02	0.750 B	2	0.13	0.980 B	1	0.08	26
27	0.274 B	1	0.02	0.720 B	1	0.06	0.910 B	1	0.08	27
28	0.264 B	1	0.02	0.880 B	3	0.18	0.890 B	1 S	0.08	28
29	0.254 B	1	0.02				1.05 B	1	0.09	29
30	0.252 B	1	0.02				1.22 B	1	0.11	30
31	0.244 B	1	0.02				1.10 B	1	0.10	31
TOTAL	18.738		1.43	30.854		5.25	83.190		28.19	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.890 B	1	0.08	2.82	1	0.26	1.98	4 S	0.68	1
2	0.800 B	1	0.08	2.88	1	0.23	5.61	6 S	2.61	2
3	0.840 B	1	0.07	3.36	1 S	0.21	3.67	1	0.25	3
4	0.800 B	1 S	0.07	7.38	4 S	2.85	3.24	1	0.19	4
5	0.850 B	1	0.08	5.58	1 S	0.48	1.85	1	0.14	5
6	1.50 B	2	0.28	3.83	1	0.34	15.3	30 S	39.4	6
7	16.9	36 S	52.6	3.33	1 S	0.29	15.5	14 S	18.7	7
8	13.3	7 S	7.98	3.07	2 S	0.83	6.89	1 S	0.67	8
9	4.12	1	0.70	3.08	2	0.63	3.81	1	0.31	9
10	5.88	1 S	0.51	2.73	1 S	0.24	2.59	1	0.22	10
11	4.31	1	0.37	2.37	1	0.20	2.08	1	0.18	11
12	3.33	2	0.57	1.83	1	0.17	1.82	1 S	0.14	12
13	2.93	2	0.51	1.76	2 S	0.30	2.28	2 S	0.39	13
14	2.86	2	0.44	4.01	2 S	0.88	2.08	1	0.18	14
15	2.37	1	0.20	3.43	1	0.30	1.71	1	0.18	15
16	4.42	9	3.44	2.32	1 S	0.30	1.21	1	0.10	16
17	11.4	7 S	6.89	1.83	1	0.18	22.3	38 S	87.4	17
18	6.07	1	0.62	1.80	1	0.18	18.0	13 S	18.0	18
19	4.43	1	0.38	1.85	1	0.14	8.10	2 S	1.40	19
20	3.88	1	0.34	1.30	1	0.11	5.02	1	0.51	20
21	3.82	1 S	0.34	1.06	1	0.09	3.26	1	0.28	21
22	3.26	1 S	0.28	1.77	3 S	0.48	3.16	1	0.19	22
23	2.74	1	0.24	2.17	1 S	0.19	1.82	1	0.14	23
24	2.28	1	0.20	1.48	1	0.13	1.42	1	0.12	24
25	3.08	1 S	0.18	1.16	1	0.10	7.03	14 S	8.60	25
26	2.18	1	0.19	1.04	1	0.09	13.3	5 S	5.70	26
27	2.70	1	0.23	0.884	1 S	0.09	6.33	2 S	1.09	27
28	3.63	1 S	0.31	3.93	5 S	1.70	6.49	2 S	1.12	28
29	3.87	1	0.33	2.41	1	0.21	7.81	3 S	1.97	29
30	3.05	1 S	0.26	1.59	2	0.27	5.59	2	1.04	30
31				1.10	1	0.10				31
TOTAL	126.850		76.66	76.224		11.51	176.42		171.67	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

NOVA SCOTIA

PEMBROKE RIVER AT CLENDERVIE - STATION NO. 01DG018

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	3.80	2 S	0.62	0.680	4	0.24	2.58	2 S	0.45	1
2	2.48	2	0.43	3.30	6 S	1.43	1.57	1	0.14	2
3	1.83	1	0.18	1.27	2	0.22	1.14	1 S	0.10	3
4	1.46	1	0.13	0.773	2	0.13	1.02	1	0.09	4
5	1.15	1	0.10	0.555	2	0.10	1.18	1	0.10	5
6	0.889	1	0.08	0.420	2	0.07	0.921	1	0.08	6
7	1.05	1 S	0.09	0.357	2	0.06	0.747	1	0.06	7
8	1.32	4	0.46	0.284	2 S	0.05	0.842	1	0.08	8
9	0.840	3	0.24	0.515	3	0.13	0.622	1	0.05	9
10	0.784	3	0.19	0.452	3 S	0.12	0.442	1	0.04	10
11	0.741	3	0.19	0.676	3	0.18	0.721	1 S	0.08	11
12	0.706	3	0.18	0.524	3	0.14	0.780	1	0.08	12
13	0.527	3	0.14	0.403	3	0.10	0.590	1	0.05	13
14	0.443	3 S	0.11	0.342	3	0.08	0.478	1	0.04	14
15	0.410	3	0.11	0.337	3 S	0.09	0.403	1	0.03	15
16	1.01	6	0.52	0.326	3	0.08	0.388	2	0.08	16
17	2.18	9 S	1.70	0.302	3	0.08	0.444	2	0.08	17
18	1.82	2	0.31	0.237	3	0.06	0.355	2	0.06	18
19	1.24	1 S	0.11	0.191	3	0.05	0.249	3 S	0.06	19
20	0.948	1	0.08	0.181	3	0.05	0.255	3	0.07	20
21	0.803	1	0.07	0.231	2	0.04	0.255	3	0.07	21
22	0.582	1	0.05	0.182	2	0.03	0.219	2	0.04	22
23	0.473	1	0.04	0.267	2	0.05	0.199	2	0.03	23
24	0.398	1	0.03	0.262	2	0.05	0.181	2	0.03	24
25	0.284	1	0.03	0.236	2	0.04	0.181	2	0.03	25
26	0.295	1	0.03	0.239	1	0.02	0.174	2	0.03	26
27	0.378	1	0.03	1.02	4 S	0.35	0.183	2 S	0.03	27
28	0.307	1	0.03	3.43	16 S	4.74	0.164	2	0.03	28
29	0.287	1	0.02	1.62	4	0.56	0.173	2	0.03	29
30	0.327	1	0.02	1.01	1	0.09	0.185	1	0.02	30
31	0.240	1	0.02	1.19	2 S	0.21				31
TOTAL	28.808		6.32	21.822		9.85	17.278		2.08	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.185	1	0.01	0.488	1	0.04	0.785 B	2	0.13	1
2	0.220	1	0.02	0.485	1	0.04	1.28	4	0.46	2
3	0.212	1	0.02	0.444	1	0.04	2.27	4	0.78	3
4	0.189	1	0.02	0.404	1	0.03	1.56 B	3	0.40	4
5	0.204	1	0.02	0.387	1	0.03	1.26 B	3	0.33	5
6	0.274	1	0.02	0.894	5 S	0.38	1.07 B	3	0.28	6
7	0.312	1 S	0.03	7.84	8 S	5.48	0.920 B	3	0.24	7
8	0.267	1	0.02	4.06	1 S	0.35	0.810 B	3	0.21	8
9	0.270	1	0.02	2.45	1	0.21	0.740 B	3	0.19	9
10	0.191	1	0.02	2.61	2 S	0.45	0.675 B	3	0.17	10
11	0.615	2 S	0.11	5.38	3	1.39	0.605 B	3 S	0.16	11
12	0.516	1	0.04	3.36	1	0.29	0.580 B	3	0.15	12
13	0.433	1 S	0.04	4.21	3 S	1.08	0.525 B	3	0.14	13
14	0.388	1	0.03	4.65	2	0.80	0.485 B	3	0.09	14
15	0.559	8	0.38	3.49	1	0.30	0.485 B	2	0.08	15
16	7.26	16 S	11.3	2.52	1	0.22	0.432 B	2	0.07	16
17	3.37	1	0.20	2.85	2 S	0.49	0.410 B	2	0.07	17
18	1.41	1	0.12	7.85	4	2.75	0.385 B	2	0.07	18
19	1.06	1	0.09	4.87	3	1.29	0.387 B	2	0.08	19
20	0.958	1 S	0.08	3.31	3 S	0.88	0.345 B	2 S	0.08	20
21	0.914	1 S	0.08	2.71	3	0.70	0.335 B	2	0.08	21
22	0.800	1	0.07	2.16	3	0.56	0.327 B	2	0.08	22
23	0.782	1	0.08	1.81	3	0.47	0.320 B	2	0.08	23
24	0.587	1	0.05	1.63	2	0.28	0.314 B	2	0.08	24
25	0.823	1 S	0.08	1.33	2	0.21	0.380 B	2	0.08	25
26	0.715	1	0.08	0.862	2	0.17	2.80 B	2	0.50	26
27	0.824	1	0.08	0.878 B	2	0.15	4.00 B	2	0.89	27
28	0.861	1	0.08	0.835 B	2	0.14	2.60 B	2	0.41	28
29	0.837	1	0.08	0.800 B	2 S	0.14	1.85 B	2	0.32	29
30	0.520	1	0.04	0.778 B	2	0.13	1.58 B	2	0.27	30
31	0.488	1	0.04				1.44 B	1	0.12	31
TOTAL	24.958		13.20	76.857		18.50	31.785		8.73	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

PEMBROKE RIVER AT GLENDERVIE - STATION NO. 01DG018

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 08	15:55	0.0	0.690	B	5.7	D49	1															
JAN 16	13:00	0.1	0.418	B	5.7	D49	1	84														
FEB 05	16:00	0.0	0.217	B	5.7	D49	1															
FEB 14	11:00	0.1	0.630	B	5.7	D49	2	84														
FEB 25	16:00	0.0	0.780		5.7	D49	4															
MAR 03	12:00	0.0	4.80		5.7	D49	11															
MAR 13	15:50	0.2	9.10		5.7	D49	34															
MAR 15	18:00	0.0	8.00		5.7	D49	4															
MAR 28	15:00	0.0	0.880		5.7	D49	1															
APR 04	15:50	1.5	0.800		5.7	D49	1															
APR 07	11:20	1.0	17.2		5.7	D49	38															
APR 08	12:10	0.5	13.2		5.7	D49	6															
APR 10	15:10	2.5	8.00		5.7	D49	1															
APR 17	08:20	1.0	15.3		5.7	D49	10															
APR 21	15:00	1.0	4.31		5.7	D49	1															
APR 22	14:15	2.0	3.84		5.7	D49	1															
APR 25	17:25	5.0	2.58		5.7	D49	1															
APR 28	20:30	4.5	4.51		5.7	D49	1															
APR 30	17:20	8.5	3.48		5.7	D49	1															
MAY 03	18:31	8.0	2.83		5.7	D49	1															
MAY 04	11:20	2.5	8.57		5.7	D49	5															
MAY 05	13:00	5.5	5.87		5.7	D49	1															
MAY 07	15:55	4.0	3.57		5.7	D49	2															
MAY 08	18:35	3.0	3.54		5.7	D49	2															
MAY 10	08:15	4.0	3.20		5.7	D49	1															
MAY 13	08:43	3.0	2.21		5.7	D49	2															
MAY 14	07:00	4.5	3.75		5.7	D49	2															
MAY 16	18:00	11.5	2.58		5.7	D49	1															
MAY 22	15:50	13.0	1.98		5.7	D49	4															
MAY 23	15:50	16.5	2.28		5.7	D49	1															
MAY 27	19:55	12.0	1.08		5.7	D49	1															
MAY 28	16:00	11.0	4.72		5.7	D49	2															
JUN 01	19:50	11.5	2.01		5.7	D49	7															
JUN 02	11:45	9.0	8.46		5.7	D49	3															
JUN 06	14:30	11.0	18.5		5.7	D49	30	28														
JUN 07	08:52	9.0	17.5		5.7	D49	7															
JUN 08	20:50	12.0	5.54		5.7	D49	1															
JUN 12	18:00	12.5	1.73		5.7	D49	1															
JUN 13	12:00	10.5	2.75		5.7	D49	2															
JUN 17	19:47	12.0	82.1		5.7	D49	78	28														
JUN 18	16:50	13.0	13.1		5.7	D49	7															
JUN 19	07:40	11.5	8.12		5.7	D49	2															
JUN 25	09:48	11.5	4.26		5.7	D49	12															
JUN 26	14:00	13.0	12.2		5.7	D49	2															
JUN 27	08:51	11.0	8.08		5.7	D49	2															
JUN 28	08:00	12.0	8.43		5.7	D49	2															
JUN 29	08:30	12.0	8.08		5.7	D49	5															
JUL 01	12:20	16.0	4.08		5.7	D49	2															
JUL 07	18:10	17.5	1.19		5.7	D49	1	40														
JUL 14	13:45	20.0	0.438		5.7	D49	3															
JUL 17	10:20	18.0	1.82		5.7	D49	16															
JUL 18	19:30	22.5	1.09		5.7	D49	1															
AUG 02	19:50	18.5	2.17		5.7	D49	2															
AUG 08	18:30	22.5	0.285		5.7	D49	2															
AUG 10	15:35	22.5	0.460		5.7	D49	3															
AUG 15	09:00	18.0	0.287		5.7	D49	3															
AUG 27	18:30	19.0	2.08		5.7	D49	7															
AUG 28	18:45	19.0	2.52		5.7	D49	11															
AUG 31	13:00	15.5	0.858		5.7	D49	1															
SEP 01	11:40	10.5	3.06		5.7	D49	2															
SEP 03	08:30	15.0	1.18		5.7	D49	1															
SEP 11	08:00	11.0	0.581		5.7	D49	1															
SEP 18	16:00	18.0	0.289		5.7	D49	3															
SEP 27	12:15	15.0	0.198		5.7	D49	2	92														
OCT 07	16:00	15.0	0.274		5.7	D49	1															
OCT 11	16:00	12.5	0.689		5.7	D49	2															
OCT 13	12:30	9.5	0.530		5.7	D49	1															
OCT 15	00:40	13.0	4.92		5.7	D49	54															
OCT 16	16:00	14.0	5.89		5.7	D49	3															
OCT 20	19:20	10.0	0.874		5.7	D49	1	51														
OCT 21	12:33	8.5	0.814		5.7	D49	1															
OCT 25	14:05	10.5	0.598		5.7	D49	1															
NOV 06	08:45	11.2	0.443		5.7	D49	1															
NOV 06	21:00	11.0	1.56		5.7	D49	10															
NOV 07	13:34	11.0	8.89		5.7	D49	2															
NOV 08	15:45	12.0	8.89		5.7	D49	1															
NOV 10	13:30	10.0	2.25		5.7	D49	1															
NOV 11	11:00	8.0	8.29		5.7	D49	0															
NOV 13	10:00	8.0	3.53		5.7	D49	3															
NOV 13	18:10	9.0	5.57		5.7	D49	5															
NOV 17	19:10	4.0	2.78		5.7	D49	3															
NOV 20	15:55	7.5	3.14		5.7	D49	3															
DEC 02	13:30	0.5	0.682		5.7	D49	0															
DEC 11	16:00	2.0	0.770		5.7	D49	3															
DEC 20	13:35	0.1	0.345		5.7	D49	2															

NOTE - SINGLE VERTICAL LOCATED AT 5.7 METRES FOR 1985

DISCHARGE SYMBOL(S): B - ICE CONDITIONS

NOVA SCOTIA

PEMBROKE RIVER AT GLENDERVIE - STATION NO. 01DG018

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1978	CCCCCCCCCCCC	MANUAL	10	OCT 16	1	FEB 20	36.8	JAN 15	193	0.53	0.53	---
1979	CCCCCCCCCCCC	MANUAL	85	DEC 17	1	FEB 16	97.6	DEC 17	618 *	1.69	1.11	52.2
1980	CCCCCCCCCCCC	MANUAL	51	APR 05	1	JAN 19	58.1	APR 05	484	1.27	1.16	29.2
1981	CCCCCCCCCCCC	MANUAL	58	NOV 21	1	JAN 11	111	NOV 21	535	1.47	1.24	20.3
1982	CCCCCCCCCCCC	MANUAL	45	APR 29	1	JAN 01	116	APR 29	352	0.96	1.16	17.2
1983	CCCCCCCCCCCC	MANUAL	31	MAR 22	1	JAN 23	42.9	MAR 22	407	1.11	1.17	14.2
1984	CCCCCCCCCCCC	MANUAL	107	APR 17 *	1	JAN 08	128	MAR 16 *	574	1.57	1.23	12.3
1985	CCCCCCCCCCCC	MANUAL	78	JUN 17	0	NOV 11 *	87.4	JUN 17	385	0.97	1.20	11.3

MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH

* - EXTREME FOR PERIOD OF RECORD

SHARPE BROOK AT LLOYDS - STATION NO. 01DD004

MONTHLY AND ANNUAL TOTAL VOLUMETRIC BED LOAD IN CUBIC METRES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	YEAR
1969	0	0	0	2.1	0	0	0	0	0	0	0	3.7	5.8	1969
1970	0	1.9	0	0	0	0	0	0	0	0	0	0	1.9	1970
1971	0	1.6	0	0	0	0	0	4.7	0	0	0.9	0	7.2	1971
1972	0	0	2.1	1.2	---	0	0	0	0	0	1.8	0	---	1972
1973	0	0	2.8	0	0	0.6	0	0	0	0	0	0	3.4	1973
MEAN	0	0.7	1.0	0.7	0	0.1	0	0.9	0	0	0.5	0.7	4.6	MEAN

BED LOAD MEASURED BY VOLUMETRIC METHOD. MONTHLY DISTRIBUTION ESTIMATED.

PRINCE EDWARD ISLAND

BRUDENELL RIVER AT BRUDENELL - STATION NO. 01CE004

SUSPENDED SEDIMENT FOR 1985

LOCATION: LAT 46 12 07 N LONG 62 39 23 W
DRAINAGE AREA: 33.1 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 287 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	0.414	3 S	0.11	0.300	7 S	0.18	0.383	3 S	0.09	1
2	0.425	1	0.04	0.306	4	0.11	0.388	3	0.10	2
3	0.429	1 S	0.04	0.322	4	0.11	0.475	6	0.25	3
4	0.423	1	0.04	0.316	7	0.19	0.409	7	0.25	4
5	0.414	20 S	0.72	0.307	5 S	0.13	0.398	6 S	0.21	5
6	0.410 B	4	0.14	0.304 B	5	0.13	0.385	2	0.06	6
7	0.408 B	3	0.11	0.301 B	5	0.13	0.339	4	0.12	7
8	0.405 B	4 S	0.14	0.298 B	7	0.18	0.348	4 S	0.12	8
9	0.403 B	3	0.10	0.294 B	6 S	0.15	0.324	5	0.14	9
10	0.401	3	0.10	0.290 B	4	0.10	0.311	4	0.11	10
11	0.385	3 S	0.10	0.280	3	0.07	0.295	4	0.10	11
12	0.388	2	0.06	0.279	3 S	0.07	0.305	7	0.18	12
13	0.357	2	0.06	0.282	3	0.07	0.429	10	0.37	13
14	0.360	2	0.06	0.381	7	0.22	0.507	13	0.57	14
15	0.398	6 S	0.21	0.382	5 S	0.16	0.492	5 S	0.21	15
16	0.389 B	4	0.13	0.382	4	0.13	0.497	5	0.21	16
17	0.374 B	3	0.10	0.341	3	0.08	0.442	7	0.27	17
18	0.379 B	2	0.07	0.347	1	0.03	0.423	6	0.22	18
19	0.385	2 S	0.07	0.342	2 S	0.08	0.400	6 S	0.21	19
20	0.377	3	0.10	0.348	1	0.03	0.379	7	0.23	20
21	0.370	3	0.10	0.328	2	0.06	0.391	7	0.24	21
22	0.363	3 S	0.09	0.343	4 S	0.12	0.374	7 S	0.23	22
23	0.351	5	0.15	0.339	3	0.09	0.378	6	0.19	23
24	0.339	5 S	0.15	0.347	3	0.09	0.364	4	0.13	24
25	0.333	5	0.14	0.354	3	0.09	0.358	3	0.09	25
26	0.328	4	0.11	0.338	3 S	0.09	0.355	3 S	0.09	28
27	0.326	4	0.11	0.349	3	0.09	0.347	3	0.09	27
28	0.322	4	0.11	0.385	3	0.10	0.352	3	0.09	28
29	0.308	4 S	0.11				0.398	4	0.14	29
30	0.306	4	0.11				0.518	5 S	0.22	30
31	0.303	4	0.10				0.501	3	0.13	31
TOTAL	11.534		3.78	9.126		3.07	12.316		5.86	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.467	2	0.08	1.11	7	0.67	0.981	3	0.25	1
2	0.428	2	0.07	1.05	6	0.54	1.10	7	0.67	2
3	0.405	2 S	0.07	1.05	6 S	0.54	0.905	5	0.39	3
4	0.413	3	0.11	1.57	21	2.85	0.857	10 S	0.74	4
5	0.405	4 S	0.14	1.54	31 S	4.12	0.808	5	0.35	5
6	0.423	6	0.22	1.36	29	3.41	1.65	77 S	11.0	6
7	3.51	41 S	12.4	1.27	17	1.87	2.31	27 S	5.39	7
8	2.57	70 S	15.5	1.32	23 S	2.82	1.18	7	0.70	8
9	1.20	13 S	1.35	1.26	10	1.09	1.04	6	0.45	9
10	0.975	10	0.84	1.31	6 S	0.88	1.05	7	0.84	10
11	0.888	10 S	0.77	1.31	13	1.47	1.06	10 S	0.92	11
12	0.849	10 S	0.73	1.12	1	0.10	1.02	6	0.53	12
13	0.811	7	0.49	1.46	9 S	1.13	1.00	4	0.35	13
14	0.781	6	0.34	1.30	12	1.35	1.04	4 S	0.36	14
15	0.892	6	0.39	1.15	11 S	1.09	0.984	4	0.34	15
16	3.08	26 S	6.87	1.11	5	0.48	0.947	4	0.33	16
17	2.59	113	25.3	1.10	2 S	0.18	1.88	40 S	5.74	17
18	1.48	48 S	5.88	1.23	4	0.43	1.38	13	1.85	18
19	1.42	38	3.44	1.15	8	0.78	1.33	10 S	1.15	19
20	1.46	25	3.13	1.08	3	0.27	1.13	4	0.38	20
21	1.41	21	2.56	1.01	7 S	0.81	1.12	7	0.68	21
22	1.33	19 S	2.18	1.31	8 S	0.91	1.07	8 S	0.65	22
23	1.27	18	2.08	1.46	49	5.18	0.865	4	0.33	23
24	1.22	27 S	2.85	1.10	11 S	1.05	0.838	4 S	0.32	24
25	1.21	6	0.63	1.02	4	0.35	1.11	5	0.48	25
26	1.21	5 S	0.52	1.04	3	0.27	1.10	4 S	0.38	28
27	1.24	14 S	1.50	0.992	4	0.34	0.959	2	0.17	27
28	1.22	10	1.05	1.19	7 S	0.72	1.13	27 S	2.64	28
29	1.23	9	0.95	1.03	5	0.44	1.71	55 S	8.13	29
30	1.15	8 S	0.79	0.948	3	0.25	1.54	51 S	6.79	30
31				0.914	3 S	0.24				31
TOTAL	37.518		93.24	36.834		37.05	35.035		52.71	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

PRINCE EDWARD ISLAND

BRUDENELL RIVER AT BRUDENELL - STATION NO. 01CE004

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	1.10	9	0.86	0.827	16 S	1.14	0.791	12	0.82	1
2	1.00	9 S	0.78	1.14	17 S	1.67	0.628	6	0.33	2
3	0.976	7	0.59	0.741	6	0.38	0.590	3 S	0.18	3
4	0.966	5	0.42	0.671	6	0.35	0.595	4	0.21	4
5	0.952	7 S	0.58	0.649	6	0.34	0.812	7	0.37	5
6	0.933	6	0.60	0.638	9 S	0.50	0.570	5 S	0.25	6
7	0.986	8	0.50	0.627	8	0.43	0.557	5	0.24	7
8	0.988	6	0.51	0.616	7	0.37	0.541	5	0.23	8
9	1.07	8 S	0.74	0.626	9 S	0.48	0.526	5	0.23	9
10	0.951	6	0.49	0.678	12	0.70	0.620	6 S	0.27	10
11	0.903	5	0.39	0.719	11	0.88	0.898	10	0.52	11
12	0.877	4 S	0.30	0.633	6	0.33	0.857	5 S	0.24	12
13	0.828	4	0.28	0.636	6 S	0.33	0.549	4	0.19	13
14	0.815	4	0.28	0.586	6	0.30	0.549	4	0.19	14
15	0.838	5	0.36	0.576	6	0.30	0.524	5	0.23	15
16	0.838	6 S	0.43	0.582	3 S	0.15	0.520	4	0.18	16
17	1.71	27 S	3.98	0.579	3	0.15	0.516	20 S	0.89	17
18	1.03	9 S	0.80	0.576	4	0.20	0.500	8	0.35	18
19	0.833	6 S	0.43	0.559	5	0.24	0.490	5	0.21	19
20	0.833	6	0.43	0.561	5 S	0.24	0.495	7 S	0.30	20
21	0.773	5	0.33	0.559	5	0.24	0.497	5	0.26	21
22	0.748	3	0.19	0.558	5	0.24	0.481	5	0.21	22
23	0.742	3 S	0.19	0.867	72 S	5.39	0.478	3	0.12	23
24	0.720	3	0.18	1.22	85 S	8.85	0.476	3 S	0.12	24
25	0.891	3	0.18	0.764	5	0.33	0.472	3	0.12	25
26	0.876	8 S	0.35	0.643	4	0.22	0.474	3	0.12	26
27	0.888	7	0.42	0.652	5 S	0.28	0.468	3 S	0.12	27
28	0.878	6	0.35	0.738	7	0.44	0.464	3	0.12	28
29	0.852	6	0.34	0.669	7	0.40	0.448	3	0.12	29
30	0.868	5 S	0.29	0.596	5 S	0.28	0.435	3	0.11	30
31	0.880	4	0.23	0.815	9	0.48				31
TOTAL	27.113		15.83	21.101		24.42	15.914		7.82	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.441	3 S	0.11	0.381	3	0.10	0.481	3	0.08	1
2	0.446	3	0.12	0.380	2 S	0.07	0.521	4	0.18	2
3	0.444	3	0.12	0.381	3	0.10	0.553 A	5 S	0.24	3
4	0.443	3 S	0.11	0.372	2	0.08	0.495 A	3	0.13	4
5	0.439	4	0.15	0.361	3 S	0.08	0.472	3	0.08	5
6	0.434	4	0.15	0.400	8	0.21	0.470	2 S	0.08	6
7	0.427	2 S	0.07	1.44	49 S	5.10	0.458	3	0.08	7
8	0.422	2	0.07	0.655	28 S	1.61	0.444	3	0.08	8
9	0.423	2	0.07	0.484	11	0.46	0.447	2	0.08	9
10	0.433	3	0.11	0.468	11 S	0.45	0.440	3 S	0.11	10
11	0.804	4 S	0.17	0.484	8 S	0.28	0.426	3	0.11	11
12	0.482	3	0.08	0.482 A	4 S	0.17	0.440	2	0.08	12
13	0.440	2	0.08	0.520 E	5	0.22	0.432	4 S	0.15	13
14	0.425	2 S	0.07	0.813 A	5 S	0.42	0.426 B	2	0.07	14
15	0.476	7	0.29	0.610 E	4	0.21	0.420 B	2	0.07	15
16	0.753	19 S	1.24	0.610 E	3	0.13	0.417 B	2	0.07	16
17	0.488	5	0.21	0.570 E	4	0.20	0.413 B	3 S	0.11	17
18	0.439	4 S	0.15	0.885 E	4	0.23	0.400 B	2	0.07	18
19	0.432	3	0.11	0.595 E	4 S	0.41	0.398 B	2	0.07	19
20	0.439	5	0.18	0.850 E	4	0.19	0.395 B	3	0.10	20
21	0.451	4	0.16	0.520 E	2	0.09	0.393	2 S	0.07	21
22	0.411	3 S	0.11	0.495 E	3 S	0.13	0.394	2	0.07	22
23	0.405	2	0.07	0.486 A	3	0.13	0.410	2	0.07	23
24	0.390	2	0.07	0.490 E	3	0.13	0.401	2 S	0.07	24
25	0.403	3 S	0.07	0.480 E	3	0.12	0.427	4	0.15	25
26	0.406	2	0.07	0.538 A	3 S	0.14	1.01	19 S	1.86	26
27	0.382	2	0.07	0.495	2	0.08	0.583	5	0.25	27
28	0.396	2 S	0.07	0.487	2	0.08	0.489	4 S	0.17	28
29	0.419	3	0.11	0.487	2 S	0.08	0.436	4	0.15	29
30	0.406	3 S	0.11	0.476	2	0.08	0.417	3	0.11	30
31	0.387	3	0.10				0.406	5 S	0.17	31
TOTAL	13.887		4.68	16.108		12.73	14.319		4.98	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRUDENELL RIVER AT BRUDENELL - STATION NO. 01CE004

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m^3/s)	SINGLE VERTICAL SAMPLING (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 01	09:50	1.0	0.443	10LB	DH48	3	145														
JAN 03	11:45	1.0	0.439	10LB	DH48	1															
JAN 05	10:12	1.0	0.403	10LB	DH48	91															
JAN 08	10:00	1.0	0.405 B	10LB	DH48	4															
JAN 11	14:55	1.0	0.395	10LB	DH48	3															
JAN 15	11:10	1.0	0.383	10LB	DH48	2															
JAN 19	15:30	1.0	0.363	10LB	DH48	2	143														
JAN 22	14:10	1.0	0.355	10LB	DH48	5															
JAN 24	09:50	1.0	0.363	10LB	DH48	5															
JAN 29	14:45	1.0	0.343	10LB	DH48	4															
FEB 01	10:30	1.0	0.323	10LB	DH48	10															
FEB 05	14:30	1.0	0.363	10LB	DH48	5															
FEB 08	15:30	1.0	0.298 B	10LB	DH48	10															
FEB 12	14:30	1.0	0.367	10LB	DH48	3															
FEB 15	13:20	2.0	0.343	10LB	DH48	5															
FEB 19	10:45	1.5	0.363	10LB	DH48	2															
FEB 22	10:50	2.0	0.323	10LB	DH48	4	135														
FEB 26	10:15	2.0	0.343	10LB	DH48	4															
MAR 01	11:20	2.0	0.363	10LB	DH48	3															
MAR 05	15:30	2.0	0.335	10LB	DH48	7															
MAR 08	14:20	2.0	0.323	10LB	DH48	5															
MAR 12	15:10	3.0	0.363	10LB	DH48	5															
MAR 15	09:50	3.0	0.465	10LB	DH48	5															
MAR 19	13:50	3.0	0.383	10LB	DH48	6															
MAR 22	14:50	3.0	0.323	10LB	DH48	6															
MAR 26	13:40	3.0	0.335	10LB	DH48	3															
MAR 30	15:00	3.0	0.486	10LB	DH48	4															
APR 03	14:00	3.0	0.391	10LB	DH48	2															
APR 05	15:00	3.0	0.415	10LB	DH48	15															
APR 07	13:00	3.0	3.02	10LB	DH48	252															
APR 07	18:30	3.0	3.34	10LB	DH48	666															
APR 08	09:10	2.0	2.24	10LB	DH48	939															
APR 08	15:00	3.0	2.12	10LB	DH48	320															
APR 09	13:10	3.0	1.09	10LB	DH48	55															
APR 11	08:30	3.0	0.857	10LB	DH48	9															
APR 12	10:20	3.0	0.885	10LB	DH48	11															
APR 16	10:15	4.0	1.67	10LB	DH48	7	83														
APR 18	15:30	4.0	1.55	10LB	DH48	39															
APR 22	16:00	5.0	1.36	10LB	DH48	19															
APR 24	09:30	5.0	1.17	10LB	DH48	43															
APR 26	11:25	5.0	1.17	10LB	DH48	4															
APR 27	15:50	5.0	1.39	10LB	DH48	18															
APR 30	10:00	5.0	1.28	10LB	DH48	9															
MAY 03	09:30	7.0	1.03	10LB	DH48	6															
MAY 05	13:15	6.0	1.77	10LB	DH48	21															
MAY 06	09:35	7.0	1.41	10LB	DH48	29															
MAY 10	09:30	6.0	1.17	10LB	DH48	1	92														
MAY 13	09:15	7.0	1.29	10LB	DH48	3															
MAY 13	14:00	7.0	1.77	10LB	DH48	6															
MAY 15	14:30	7.0	1.31	10LB	DH48	15															
MAY 17	14:00	8.0	1.12	10LB	DH48	1															
MAY 21	08:30	10.0	1.06	10LB	DH48	11															
MAY 22	08:50	10.0	1.83	10LB	DH48	3															
MAY 24	13:10	10.0	1.17	10LB	DH48	48															
MAY 28	12:20	11.0	1.84	10LB	DH48	7															
MAY 31	08:15	11.0	0.971	10LB	DH48	3															
JUN 04	14:20	11.0	1.00	10LB	DH48	19	87														
JUN 06	10:23	11.0	2.90	10LB	DH48	44															
JUN 07	08:30	11.0	2.15	10LB	DH48	17															
JUN 07	17:00	10.0	1.64	10LB	DH48	21															
JUN 11	13:00	11.0	1.06	10LB	DH48	8															
JUN 14	12:50	11.0	1.06	10LB	DH48	4															
JUN 17	10:50	12.0	1.67	10LB	DH48	77															
JUN 19	17:00	12.0	1.06	10LB	DH48	7															
JUN 22	13:10	13.0	1.00	10LB	DH48	5															
JUN 24	15:30	12.0	1.09	10LB	DH48	4															
JUN 26	15:20	12.0	1.00	10LB	DH48	1															
JUN 28	10:05	12.0	1.41	10LB	DH48	58															
JUN 29	10:20	12.0	1.15	10LB	DH48	30															
JUN 30	09:15	12.0	1.06	10LB	DH48	60															
JUL 02	17:00	16.0	1.00	10LB	DH48	10	167														
JUL 05	15:10	15.0	0.842	10LB	DH48	5															
JUL 09	10:50	15.0	1.00	10LB	DH48	7															
JUL 12	14:20	16.0	0.842	10LB	DH48	5															
JUL 16	09:15	16.0	0.423	10LB	DH48	20															
JUL 17	09:00	16.0	2.40	10LB	DH48	32															
JUL 17	16:00	15.0	2.15	10LB	DH48	28	111														
JUL 18	09:30	15.0	1.84	10LB	DH48	10															
JUL 19	08:00	15.0	0.885	10LB	DH48	5															
JUL 23	12:20	16.0	0.724	10LB	DH48	3															
JUL 26	16:15	15.0	0.698	10LB	DH48	7															
JUL 30	15:50	17.0	0.847	10LB	DH48	4															
AUG 01	16:00	16.0	1.35	10LB	DH48	12															
AUG 02	16:30	17.0	0.885	10LB	DH48	7															
AUG 06	08:40	17.0	0.947	10LB	DH48	10															
AUG 09	10:20	17.0	0.523	10LB	DH48	46															
AUG 13	09:20	17.0	0.598	10LB	DH48	4															
AUG 16	13:20	17.0	0.575	10LB	DH48	3															
AUG 20	12:50	16.0	0.598	10LB	DH48	5															
AUG 23	14:30	16.0	0.571	10LB	DH48	193															
AUG 24	08:20	14.0	1.77	10LB	DH48	72															
AUG 24	13:50	15.0	1.29	10LB	DH48	47															
AUG 27	15:00	14.0	0.724	10LB	DH48	5															
AUG 30	09:15	14.0	0.672	10LB	DH48	5															
SEP 03	13:10	13.0	0.623	10LB	DH48	3															
SEP 06	13:35	14.0	0.623	10LB	DH48	5	135														
SEP 10	15:20	13.0	0.575	10LB	DH48	7															
SEP 12	15:40	12.0	0.566	10LB	DH48	4															
SEP 17	14:10	12.0	0.530	10LB	DH48	54															
SEP 20	15:20	12.0	0.488	10LB	DH48	7															
SEP 24	15:40	12.0	0.495	10LB	DH48	3															
SEP 27	15:25	12.0	0.473	10LB	DH48	3															
OCT 01	14:50	11.0	0.443	10LB	DH48	4															

NOTE : SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

DISCHARGE SYMBOL(S) B - ICE CONDITIONS

CONTINUED

PRINCE EDWARD ISLAND

BRUDENELL RIVER AT BRUDENELL - STATION NO. 01CE004 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
OCT 04	15:40	11.0	0.455	1OLB	DH48	7															
OCT 07	09:45	10.0	0.423	1OLB	DH48	2															
OCT 11	15:00	10.0	0.443	1OLB	DH48	3															
OCT 14	13:30	8.0	0.431	1OLB	DH48	2															
OCT 16	09:50	8.0	0.986	1OLB	DH48	30															
OCT 16	15:00	8.0	0.672	1OLB	DH48	13															
OCT 18	15:50	7.0	0.485	1OLB	DH48	6															
OCT 22	12:10	7.0	0.443	1OLB	DH48	3															
OCT 25	15:20	7.0	0.455	1OLB	DH48	2															
OCT 28	13:10	8.0	0.403	1OLB	DH48	2															
OCT 28	16:10	8.0	0.423	1OLB	DH48	2															
OCT 30	11:30	6.0	0.403	1OLB	DH48	3															
NOV 02	13:00	6.0	0.362	1OLB	DH48	2															
NOV 05	13:50	6.0	0.376	1OLB	DH48	2															
NOV 07	09:10	7.0	1.74	1OLB	DH48	64															
NOV 07	16:50	7.0	1.28	1OLB	DH48	36															
NOV 08	09:45	7.0	0.724	1OLB	DH48	46															
NOV 08	15:00	7.0	0.599	1OLB	DH48	34															
NOV 10	14:55	6.0	0.671	1OLB	DH48	22															
NOV 11	14:00	6.0	0.552	1OLB	DH48	17															
NOV 12	12:20	6.0	0.443	1OLB	DH48	4															
NOV 14	11:00	5.0	0.750	1OLB	DH48	7															
NOV 19	10:20	5.0	0.530	1OLB	DH48	14															
NOV 22	14:30	4.0	0.486	1OLB	DH48	3															
NOV 26	11:30	3.0	0.575	1OLB	DH48	3															
NOV 29	10:25	2.0	0.486	1OLB	DH48	2															
DEC 03	10:50	2.0	0.552	1OLB	DH48	4	127														
DEC 06	13:30	2.0	0.486	1OLB	DH48	2															
DEC 10	14:00	2.0	0.423	1OLB	DH48	3															
DEC 13	14:30	2.0	0.611	1OLB	DH48	13															
DEC 17	15:20	2.0	0.383 9	1OLB	DH48	3															
DEC 21	11:20	1.0	0.383	1OLB	DH48	2															
DEC 24	13:55	2.0	0.383	1OLB	DH48	1															
DEC 26	09:50	2.0	1.28	1OLB	DH48	22															
DEC 28	10:15	1.0	0.776	1OLB	DH48	4															
DEC 31	12:00	1.0	0.405 9	1OLB	DH48	18															

NOTE : SINGLE VERTICAL LOCATED AT 1OLB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

DISCHARGE SYMBOL(S) 9 - ICE CONDITIONS

BRUDENELL RIVER AT BRUDENELL - STATION NO. 01CE004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1979	------EEEEEE	MANUAL	481	DEC 17	1	DEC 11 *	130	DEC 17	937 *	---	---	---
1980	EEEEEEEEEEEE	MANUAL	333	APR 05	1	FEB 12	180	APR 05 *	584	1.54	1.54	---
1981	EEEEEEEEEEEE	MANUAL	336	FEB 03	1	SEP 18	89.5	FEB 12	565	1.82	1.68	9.3
1982	EEEEEEEEEEEE	MANUAL	88	APR 29	1	MAY 28	33.4	APR 29	303	0.83	1.40	21.8
1983	EEEEEEEEEEEE	MANUAL	83	MAR 21	2	JAN 06	17.7	MAR 21	349	0.86	1.29	18.2
1984	EEEEEEEEEEEE	MANUAL	277	AUG 14	1	MAR 09	106	FEB 05	607	1.39	1.31	14.6
1985	EEEEEEEEEEEE	MANUAL	939	APR 05 *	1	JAN 03	35.3	APR 19	257	0.73	1.21	14.7

MANUAL - MANUAL SAMPLING

E - COMPLETE MONTH

* - EXTREME FOR PERIOD OF RECORD

PRINCE EDWARD ISLAND

NORTH SNOSH NEAR WALL ROAD - STATION NO. 01CB005

SUSPENDED SEDIMENT FOR 1985

LOCATION LAT 46 30 49 N LONG 63 37 55 W
DRAINAGE AREA 13.9 km²
TYPE OF FLOW NATURAL
TYPE OF GAUGE RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 83.6 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	0.110	2	0.02	0.194 B	4	0.05	0.155	1 S	0.01	1
2	0.120	3 S	0.03	0.183 B	4	0.05	0.205	23	0.41	2
3	0.140	2	0.03	0.183 B	5	0.07	0.188 B	15 S	0.24	3
4	0.135	1	0.01	0.181 B	7	0.09	0.240 B	6	0.12	4
5	0.133 B	1	0.01	0.180 B	9	0.13	0.217	5	0.09	5
6	0.131 B	2	0.02	0.168 B	8 S	0.10	0.188	5	0.07	6
7	0.130 B	3	0.03	0.166 B	5	0.05	0.184 B	5 S	0.07	7
8	0.130 B	4	0.04	0.165 B	3	0.04	0.161	3	0.04	8
9	0.131	4	0.05	0.165 B	2	0.03	0.179	1	0.02	9
10	0.134	13 S	0.15	0.164 B	2	0.02	0.170	1	0.01	10
11	0.132	9	0.08	0.163 B	2	0.02	0.180	1 S	0.01	11
12	0.142	6	0.07	0.160 B	3	0.04	0.132	2	0.02	12
13	0.141	6	0.07	0.160 B	3	0.04	1.34	151 S	17.5	13
14	0.152	5	0.07	0.159 B	5 S	0.07	1.09	74	6.97	14
15	0.143 B	5	0.06	0.155 B	3	0.04	0.772	55	3.87	15
16	0.137 B	47 S	0.55	0.154 B	2	0.03	0.582	59	2.97	16
17	0.136 B	21	0.24	0.154 B	2	0.03	0.355	34	1.04	17
18	0.132 B	10 S	0.10	0.153 B	2	0.03	0.266	10	0.26	18
19	0.148 B	12	0.15	0.187 B	1 S	0.01	0.275	3	0.07	19
20	0.177	8	0.14	0.154 B	1	0.01	0.247	2 S	0.04	20
21	0.159	10	0.15	0.152 B	1	0.01	0.252	2	0.04	21
22	0.187 B	18 S	0.26	0.150	1	0.01	0.329	3	0.06	22
23	0.185 B	8	0.13	0.188	1	0.01	0.322	5	0.10	23
24	0.184 B	6	0.09	0.187	1	0.02	0.248	5	0.11	24
25	0.183 B	6	0.07	0.180	1	0.01	0.244	5	0.11	25
26	0.180 B	6	0.07	0.186 B	1	0.01	0.222	7	0.13	26
27	0.180 B	6	0.07	0.184	1	0.01	0.216	5 S	0.09	27
28	0.159 B	4	0.06	0.186	1	0.01	0.237	4	0.08	28
29	0.167 B	11 S	0.15				0.558	13	0.58	29
30	0.186 B	4	0.06				0.501	5	0.22	30
31	0.184 B	4	0.06				0.328	4	0.11	31
TOTAL	4.630		3.13	4.316		1.04	10.351		35.26	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.358	4 S	0.09	0.220	3	0.06	0.187	8 S	0.13	1
2	0.345	4 S	0.08	0.216	3	0.06	0.202	7	0.12	2
3	0.361	7 S	0.16	0.221	4	0.08	0.183	5	0.10	3
4	0.302	8 S	0.21	0.270	4 S	0.09	0.182	5	0.09	4
5	0.368	4 S	0.10	0.248	4 S	0.09	0.183	5	0.08	5
6	0.374	27	0.87	0.220	4	0.08	0.261	130 S	2.82	6
7	1.61	157 S	16.8	0.258	8 S	0.14	0.235	19 S	0.39	7
8	0.686	9	0.43	0.255	3	0.07	0.212	16	0.27	8
9	0.413	8 S	0.28	0.244	1 S	0.02	0.188	13	0.22	9
10	0.355	9 S	0.26	0.260	3 S	0.07	0.200	13 S	0.21	10
11	0.353	7	0.21	0.281	4	0.09	0.216	17 S	0.32	11
12	0.334	6	0.17	0.240	3	0.06	0.200	13	0.22	12
13	0.309	4	0.11	0.329	34 S	0.79	0.202	12	0.21	13
14	0.284	3 S	0.07	0.251	2	0.04	0.215	12 S	0.22	14
15	0.305	3 S	0.08	0.253	3 S	0.07	0.195	10	0.17	15
16	0.433	7 S	0.26	0.238	3 S	0.06	0.188	10 S	0.17	16
17	0.401	3	0.10	0.248	3	0.06	0.230	14 S	0.28	17
18	0.308	3 S	0.08	0.256	3	0.07	0.243	4 S	0.08	18
19	0.310	3 S	0.08	0.244	3	0.06	0.247	6 S	0.13	19
20	0.306	3 S	0.08	0.234	3	0.06	0.250	3	0.06	20
21	0.281	3 S	0.08	0.218	5 S	0.09	0.235	2	0.04	21
22	0.252	1	0.03	0.285	106 S	2.82	0.223	2	0.04	22
23	0.233	1 S	0.02	0.304	35 S	0.82	0.212	1	0.02	23
24	0.246	1	0.02	0.193	7	0.12	0.213	1 S	0.03	24
25	0.247	3 S	0.06	0.189	5 S	0.08	0.238	9 S	0.18	25
26	0.232	4	0.08	0.186	6	0.10	0.235	4	0.08	26
27	0.228	3 S	0.06	0.183	7	0.11	0.220	4	0.08	27
28	0.232	5	0.09	0.186	4 S	0.14	0.235	4 S	0.08	28
29	0.207	3	0.06	0.218	5	0.09	0.221	10 S	0.19	29
30	0.224	3	0.06	0.233	5 S	0.10	0.223	5	0.10	30
31				0.260	8	0.14				31
TOTAL	10.336		23.70	7.278		5.34	6.650		7.17	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

PRINCE EDWARD ISLAND

NORTH BROOK NEAR WALL ROAD - STATION NO. 01CB005

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	0.218	8	0.17	0.153	3	0.04	0.135	3	0.04	1
2	0.185	8 S	0.13	0.148	3 S	0.04	0.136	3	0.03	2
3	0.191	9	0.15	0.148	3	0.04	0.136	3 S	0.04	3
4	0.188	9 S	0.15	0.148	3	0.04	0.130	4 S	0.04	4
5	0.189	8	0.13	0.158	3	0.04	0.127	4	0.04	5
6	0.188	5	0.09	0.150	3	0.04	0.126	3	0.03	6
7	0.207	4	0.07	0.161	4	0.06	0.125	4	0.04	7
8	0.208	4 S	0.07	0.174	4	0.06	0.118	3	0.03	8
9	0.187	4	0.06	0.164	4 S	0.06	0.111	3	0.03	9
10	0.188	4	0.07	0.151	4	0.05	0.106	4	0.04	10
11	0.219	5 S	0.09	0.147	4	0.05	0.116	4 S	0.04	11
12	0.218	5	0.09	0.164	5 S	0.07	0.116	4	0.04	12
13	0.206	5	0.09	0.147	4	0.05	0.118	4	0.04	13
14	0.185	5	0.08	0.145	4	0.05	0.112	3	0.03	14
15	0.203	7 S	0.12	0.157	3	0.04	0.113	2	0.02	15
16	0.180	5 S	0.08	0.161	4	0.05	0.117	1	0.01	16
17	0.173	4	0.06	0.158	4	0.05	0.121	1	0.01	17
18	0.148	4	0.05	0.148	4	0.05	0.102	1	0.01	18
19	0.146	4	0.05	0.142	2	0.03	0.114	1 S	0.01	19
20	0.148	4 S	0.05	0.147	2	0.03	0.115	0	0	20
21	0.162	4	0.06	0.149	3	0.04	0.111	1	0.01	21
22	0.143	4	0.05	0.184	4	0.05	0.105	1	0.01	22
23	0.138	4	0.05	0.137	3	0.04	0.102	2	0.02	23
24	0.137	3	0.04	0.140	3 S	0.04	0.100	2	0.02	24
25	0.156	2	0.04	0.137	3	0.04	0.113	2	0.02	25
26	0.172	3	0.04	0.141	3	0.04	0.118	1	0.01	26
27	0.185	3 S	0.05	0.131	4 S	0.05	0.108	1	0.01	27
28	0.152	3	0.04	0.133	3	0.03	0.117	1	0.01	28
29	0.143	3	0.04	0.121	3 S	0.03	0.108	2	0.02	29
30	0.148	3	0.04	0.123	3	0.03	0.118	1	0.01	30
31	0.158	3	0.04	0.130	3	0.03				31
TOTAL	5.519		2.34	4.563		1.36	3.495		0.71	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.104	1 S	0.01	0.109	2	0.02	0.092	2	0.02	1
2	0.108	1	0.01	0.110	2	0.02	0.100	1	0.01	2
3	0.108	1	0.01	0.112	2 S	0.02	0.095	3	0.02	3
4	0.098	1	0.01	0.100	2	0.02	0.104	4	0.04	4
5	0.104	1	0.01	0.103	2	0.02	0.098	4	0.03	5
6	0.116	2 S	0.02	0.113	2	0.02	0.098	3	0.03	6
7	0.105	2	0.02	0.173	5	0.07	0.100	3	0.03	7
8	0.107	3	0.03	0.124	2 S	0.02	0.100	3	0.03	8
9	0.110	2	0.02	0.118	2	0.02	0.091	3	0.02	9
10	0.118	2	0.02	0.110	1	0.01	0.088	5 S	0.04	10
11	0.120	2 S	0.02	0.102	1	0.01	0.080	4	0.03	11
12	0.114	1	0.01	0.108	1 S	0.01	0.090	5	0.03	12
13	0.115	2	0.02	0.122	3 S	0.03	0.072	4	0.02	13
14	0.111	2	0.02	0.105	2	0.02	0.071	3	0.03	14
15	0.120	2	0.02	0.108	2	0.02	0.071 B	16	0.10	15
16	0.127	5 S	0.05	0.106	2	0.02	0.071 B	14	0.08	16
17	0.108	3	0.02	0.107	2	0.02	0.078	13 S	0.08	17
18	0.105	2	0.02	0.108	1	0.01	0.078 B	11	0.07	18
19	0.104	2	0.02	0.104	2	0.02	0.074 B	9	0.06	19
20	0.107	2	0.02	0.109	2 S	0.02	0.074 B	8	0.05	20
21	0.110	2	0.02	0.108	2	0.02	0.073 B	7	0.04	21
22	0.118	2 S	0.02	0.108	1	0.01	0.072 B	7	0.04	22
23	0.113	3	0.03	0.109	1	0.01	0.072 B	8	0.04	23
24	0.112	2	0.02	0.105	2	0.02	0.087 B	5	0.04	24
25	0.118	2	0.02	0.106	2	0.02	0.181	10	0.14	25
26	0.117	1	0.01	0.088	2	0.02	0.280 B	35 S	0.87	26
27	0.108	1	0.01	0.092	3	0.02	0.130 B	33	0.37	27
28	0.103	1 S	0.01	0.093	2	0.02	0.092	7	0.06	28
29	0.101 A	2	0.02	0.092	4 S	0.03	0.085	5	0.04	29
30	0.101 A	1	0.01	0.092	2	0.02	0.084	5	0.04	30
31	0.101	1	0.01				0.091	4	0.03	31
TOTAL	3.407		0.58	3.252		0.81	2.826		2.84	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS S - SAMPLE(S) COLLECTED THIS DAY

PRINCE EDWARD ISLAND

NORTH BROOK NEAR WALL ROAD - STATION NO. 01CB005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (C)	INSTANT. DISCHARGE (m³/s)		SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.063	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 02	13:30	0.2	0.130		10RB	DH48	3	220														
JAN 10	16:10	0.0	0.134		10RB	DH48	17															
JAN 16	14:45	0.0	0.137	B	10RB	DH48	78															
JAN 16	10:00	0.0	0.132	B	10RB	DH48	16															
JAN 22	13:00	0.0	0.187	B	10RB	DH48	27	188														
JAN 29	09:55	0.1	0.157	B	10RB	DH48	30															
FEB 06	13:05	0.0	0.148	B	10RB	DH48	8															
FEB 14	14:00	5.5	0.123		10RB	DH48	8															
FEB 19	09:35	0.0	0.138		10RB	DH48	1															
MAR 01	13:35	1.5	0.127		10RB	DH48	1															
MAR 03	11:30	4.5	0.245		10RB	DH48	11															
MAR 07	08:45	0.0	0.852		10RB	DH48	5															
MAR 11	17:40	5.2	0.127		10RB	DH48	1															
MAR 13	15:05	1.2	1.97		10RB	DH48	232															
MAR 20	13:20	1.5	0.220		10RB	DH48	2	180														
MAR 27	17:35	1.5	0.232		10RB	DH48	4															
APR 01	11:10	3.5	0.245		10RB	DH48	4															
APR 02	13:45	5.5	0.245		10RB	DH48	5															
APR 03	18:30	5.5	0.276		10RB	DH48	12															
APR 04	18:25	5.0	0.340		10RB	DH48	10															
APR 05	17:50	5.0	0.280		10RB	DH48	4															
APR 07	10:57	4.5	1.38		10RB	DH48	155															
APR 08	13:10	5.0	0.414		10RB	DH48	5															
APR 10	17:32	5.2	0.407		10RB	DH48	10															
APR 14	11:03	4.0	0.293		10RB	DH48	3	184														
APR 15	12:55	5.2	0.293		10RB	DH48	3															
APR 16	11:30	7.5	0.414		10RB	DH48	7															
APR 18	16:10	6.4	0.340		10RB	DH48	2															
APR 19	14:22	9.3	0.308		10RB	DH48	2															
APR 20	17:25	9.5	0.308		10RB	DH48	3															
APR 21	08:55	3.5	0.292		10RB	DH48	2															
APR 23	18:58	5.0	0.245		10RB	DH48	1															
APR 25	17:40	8.5	0.280		10RB	DH48	4															
APR 27	17:50	11.0	0.245		10RB	DH48	2															
MAY 04	17:15	8.5	0.357		10RB	DH48	5															
MAY 05	16:40	10.0	0.276		10RB	DH48	5															
MAY 07	19:00	4.5	0.292		10RB	DH48	5															
MAY 09	07:40	9.4	0.285		10RB	DH48	2															
MAY 10	17:05	7.5	0.292		10RB	DH48	7															
MAY 13	10:50	5.0	0.276		10RB	DH48	9															
MAY 13	17:50	8.0	0.308		10RB	DH48	140															
MAY 15	18:20	11.3	0.245		10RB	DH48	3															
MAY 16	18:25	12.0	0.245		10RB	DH48	3															
MAY 21	07:55		0.220		10RB	DH48	4	186														
MAY 22	10:10	8.5	0.245		10RB	DH48	8															
MAY 22	13:50	8.5	0.494		10RB	DH48	52															
MAY 22	16:50	9.5	0.850		10RB	DH48	107															
MAY 22	20:00	9.5	0.414		10RB	DH48	256															
MAY 23	13:20	11.5	0.245		10RB	DH48	7															
MAY 25	12:15	8.0	0.245		10RB	DH48	7															
MAY 28	09:40	8.0	0.245		10RB	DH48	10															
MAY 30	11:25	10.5	0.220		10RB	DH48	8															
JUN 01	11:35	9.5	0.220		10RB	DH48	8															
JUN 05	20:15	8.5	0.308		10RB	DH48	222	118														
JUN 07	09:07	7.5	0.292		10RB	DH48	17															
JUN 07	15:20	8.0	0.233		10RB	DH48	18															
JUN 10	18:05	9.5	0.220		10RB	DH48	11															
JUN 11	13:15	12.0	0.222		10RB	DH48	20															
JUN 14	13:10	8.5	0.220		10RB	DH48	13															
JUN 16	11:35	11.0	0.225		10RB	DH48	10															
JUN 17	18:38	8.5	0.245		10RB	DH48	22															
JUN 18	08:20	9.0	0.220		10RB	DH48	3															
JUN 19	09:08	8.5	0.220		10RB	DH48	13															
JUN 24	12:00	10.0	0.207		10RB	DH48	1															
JUN 25	11:28	11.0	0.232		10RB	DH48	18															
JUN 28	13:15	11.5	0.185		10RB	DH48	4															
JUN 29	16:45	11.5	0.245		10RB	DH48	18															
JUL 02	19:05	14.0	0.185		10RB	DH48	9	170														
JUL 04	15:45	15.5	0.245		10RB	DH48	10															
JUL 08	10:15	11.0	0.207		10RB	DH48	4															
JUL 11	14:45	13.5	0.207		10RB	DH48	8															
JUL 15	11:22	12.5	0.212		10RB	DH48	24															
JUL 16	11:25	13.3	0.218		10RB	DH48	5															
JUL 20	10:07	12.5	0.220		10RB	DH48	4															
JUL 27	11:10	11.0	0.185		10RB	DH48	3															
AUG 02	11:15	12.0	0.185		10RB	DH48	3															
AUG 09	11:55	13.5	0.220		10RB	DH48	4															
AUG 12	11:20	11.0	0.185		10RB	DH48	5															
AUG 24	08:50	8.0	0.170		10RB	DH48	3															
AUG 27	10:20	11.5	0.170		10RB	DH48	5															
AUG 29	09:40	11.5	0.170		10RB	DH48	2															
SEP 03	14:10	12.3	0.129		10RB	DH48	3															
SEP 04	17:10		0.127		10RB	DH42	5															
SEP 11	14:55	10.0	0.147		10RB	DH48	4	192														
SEP 19	10:50	11.0	0.117		10RB	DH48	1															
OCT 01	12:30	10.0	0.105		10RB	DH48	1															
OCT 05	17:10	12.0	0.117		10RB	DH48	3															
OCT 11	10:00	7.5	0.117		10RB	DH48	2															
OCT 16	11:50	10.0	0.127		10RB	DH48	6															
OCT 22	10:10	9.0	0.117		10RB	DH48	2															
OCT 26	09:25	6.5	0.105		10RB	DH48	1															
NOV 03	13:50	7.0	0.103		10RB	DH48	1	183														
NOV 08	11:07	8.5	0.105		10RB	DH48	2															
NOV 12	10:00	3.4	0.100		10RB	DH48	1															
NOV 13	14:20	6.5	0.127		10RB	DH48	5															
NOV 20	09:35	8.0	0.105		10RB	DH48	2															
NOV 29	14:30	4.0	0.085		10RB	DH48	17															
DEC 10	10:25	1.0	0.085		10RB	DH48	7															
DEC 17	15:05	5.0	0.077		10RB	DH48	13															
DEC 26	10:40	0.0	0.378		10RB	DH48	30															

NOTE : SINGLE VERTICAL LOCATED AT MID (MID STREAM) FOR 1985

DISCHARGE SYMBOL(S) B - ICE CONDITIONS

PRINCE EDWARD ISLAND

NORTH BROOK NEAR WALL ROAD - STATION NO. 01CB005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLES CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1971	------PCCCCC	MANUAL	225	AUG 18	1	JUL 27 *	15.5	AUG 18	38.3	---	---	---
1972	CCCCCCCCCCCC	MANUAL	456	MAY 04	2	SEP 14	224	MAY 04 *	931 *	2.54	2.54	---
1973	CCCCCCCCCCCC	MANUAL	153	APR 06	2	NOV 20	65.3	MAR 18	270	0.74	1.04	54.8
1974	CCCCCCCCCCCC	DUAL	782	NOV 28	1	MAY 07	46.2	NOV 26	188	0.51	1.24	50.9
1975	CCCCCCCCCCCC	MANUAL	45	MAR 20	2	JAN 03	4.33	APR 30	58.8	0.18	0.95	53.6
1976	CCCCCCCCCCCC	MANUAL	57	MAR 21	2	MAR 19	30.0	MAR 21	84.8	0.23	0.84	52.2
1977	CCCCCCCCCCCC	MANUAL	86	APR 01	1	FEB 09	20.6	MAR 31	134	0.37	0.76	48.2
1978	CCCCCCCCCCCC	MANUAL	84	APR 21	1	FEB 28	42.7	JAN 27	188	0.46	0.72	43.4
1979	CCCCCCCCCCCC	MANUAL	706	APR 10	1	JAN 25	99.7	MAR 18	772	2.11	0.89	38.2
1980	CCCCCCCCCCCC	MANUAL	330	APR 05	1	JAN 31	67.2	APR 05	195	0.62	0.84	34.4
1981	CCCCCCCCCCCC	MANUAL	240	OCT 28	1	MAR 18	71.7	FEB 13	223	0.84	0.82	31.6
1982	CCCCCCCCCCCC	MANUAL	84	APR 23	1	AUG 25	4.85	APR 25	72.8	0.20	0.76	31.7
1983	CCCCCCCCCCCC	MANUAL	131	DEC 14	1	APR 01	22.3	MAR 20	83.6	0.23	0.72	31.1
1984	CCCCCCCCCCCC	MANUAL	3 010	MAR 17 *	1	JAN 05	29.4	MAR 17	115	0.31	0.89	30.3
1985	CCCCCCCCCCCC	MANUAL	358	MAY 22	1	FEB 19	18.6	APR 07	83.8	0.33	0.85	30.1

DUAL - MANUAL AND AUTOMATIC SAMPLING MANUAL - MANUAL SAMPLING

C - COMPLETE MONTH P - PARTIAL MONTH * - EXTREME FOR PERIOD OF RECORD

PRINCE EDWARD ISLAND

WILMOT RIVER NEAR WILMOT VALLEY - STATION NO. 01CB004

SUSPENDED SEDIMENT FOR 1985

LOCATION LAT 46 23 35 N LONG 63 39 35 W
DRAINAGE AREA 45.4 km²
TYPE OF FLOW NATURAL
TYPE OF GAUGE RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 399 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.477	3	0.12	0.352 B	12	0.36	0.305 E	1	0.03	1
2	0.478	3	0.12	0.344 B	8	0.24	0.298 E	1	0.03	2
3	0.469	4	0.16	0.343 B	7	0.21	0.810 E	1	0.07	3
4	0.465	4 S	0.16	0.337 B	22 S	0.64	0.750 E	2	0.13	4
5	0.455 B	5	0.20	0.331 B	9	0.26	0.895 E	3	0.12	5
6	0.445 B	6	0.23	0.325 B	9	0.25	0.845 E	2	0.11	6
7	0.435 B	7	0.26	0.320 B	7	0.19	0.585 E	2	0.10	7
8	0.428 B	6	0.22	0.314 B	7	0.19	0.540 E	2	0.09	8
9	0.420 B	5	0.18	0.310 B	5	0.13	0.500 E	1	0.04	9
10	0.415 B	7	0.25	0.308	6	0.18	0.470 E	1	0.04	10
11	0.408 B	6	0.21	0.288	5	0.13	0.440 E	2	0.08	11
12	0.401 B	5	0.17	0.290	4	0.10	0.415 E	2	0.07	12
13	0.397 B	5	0.17	0.288	3	0.07	1.00 E	66	5.70	13
14	0.392 B	11 S	0.37	0.285	6 S	0.18	2.25 E	23	4.81	14
15	0.387 B	7	0.23	0.281	8	0.20	1.74 E	37	5.56	15
16	0.384	11	0.36	0.275	3 S	0.10	1.30 E	18	2.02	16
17	0.380 B	13	0.43	0.268	4	0.12	1.07 E	9	0.83	17
18	0.377 B	11	0.36	0.326	4	0.11	0.940 E	6	0.65	18
19	0.376 B	10	0.32	0.321	3	0.08	0.830 E	9	0.85	19
20	0.374 B	8	0.26	0.316	5 S	0.14	0.850 E	9	0.86	20
21	0.371 B	7	0.22	0.308	4	0.11	0.820 E	8	0.84	21
22	0.370 B	14	0.45	0.313	6	0.18	0.800 E	8	0.82	22
23	0.370 B	7	0.22	0.316	3	0.08	0.788 E	8	0.81	23
24	0.368 B	7	0.22	0.319	2	0.06	0.785 E	8	0.58	24
25	0.368 B	6	0.19	0.322 A	1 S	0.03	0.894 A	11 S	0.94	25
26	0.366 B	6	0.19	0.317 E	1	0.03	0.867	10	0.83	26
27	0.364 B	6	0.18	0.313 E	1	0.03	0.899	10	0.78	27
28	0.362 B	9	0.28	0.307 E	1	0.03	1.15	41 S	4.11	28
29	0.361	11 S	0.34				2.40	118 S	24.5	29
30	0.362	8	0.28				2.21	88	10.5	30
31	0.369	7	0.22				1.47	12	1.53	31
TOTAL	12.384		7.68	8.116		4.40	28.823		87.27	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	1.13	10 S	0.98	0.771	1 S	0.07	0.804	1	0.07	1
2	0.883	6 S	0.51	0.782	1	0.08	0.795	1	0.07	2
3	0.958	12 S	0.99	0.744	1 S	0.06	0.765	1	0.07	3
4	1.17	22	2.22	0.959	13 S	1.06	0.758	1	0.07	4
5	1.16	18 S	1.80	0.950	6	0.48	0.734	1	0.06	5
6	1.48	71 S	9.08	0.880	4	0.31	1.27	50 S	5.49	6
7	5.43	334 S	157	0.910	6	0.47	1.37	31 S	3.87	7
8	2.00	87 S	11.6	1.00	5	0.43	1.03	6	0.53	8
9	1.46	31 S	3.86	1.01	5	0.44	0.829	3	0.24	9
10	1.28	8	0.89	0.984	3	0.26	0.821	4 S	0.32	10
11	1.21	5	0.53	0.988	5	0.43	0.880	4	0.30	11
12	1.18	8	0.82	0.877	2	0.15	0.838	5 S	0.38	12
13	1.08	5	0.47	1.03	13 S	1.16	0.809	3	0.21	13
14	1.04	7	0.63	0.987	3	0.26	0.813	2 S	0.14	14
15	1.17	10 S	1.01	0.922	3	0.24	0.809	2	0.14	15
16	1.68	37	5.37	0.886	2	0.15	0.773	2	0.13	16
17	1.88	14	1.89	0.903	2	0.16	0.811	3 S	0.21	17
18	1.15	18 S	1.58	0.821	3 S	0.24	0.795	1	0.07	18
19	1.13	5	0.48	0.810	2	0.15	0.791	1 S	0.07	19
20	1.09	3	0.28	0.870	3 S	0.23	0.784	1	0.07	20
21	1.03	2 S	0.18	0.858	5	0.37	0.738	1	0.06	21
22	1.00	2	0.17	1.33	382 S	41.8	0.739	18 S	1.02	22
23	0.967	1	0.08	1.13	86 S	9.37	0.700	2	0.12	23
24	0.943	1	0.08	0.832	7	0.55	0.674	2	0.12	24
25	0.911	2	0.16	0.886	6	0.46	0.729	5 S	0.31	25
26	0.868	2	0.15	0.874	7	0.53	0.881	3 S	0.18	26
27	0.861	3	0.15	0.847	7	0.51	0.850	4	0.22	27
28	0.831	1 S	0.07	0.888	5 S	0.45	0.851	3	0.17	28
29	0.797	1 S	0.07	0.815	4	0.28	0.711	8	0.49	29
30	0.763	1	0.07	0.785	2 S	0.14	0.734	4	0.25	30
31				0.786	2	0.14				31
TOTAL	38.368		201.88	28.363		61.25	24.440		18.33	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

PRINCE EDWARD ISLAND

WILMOT RIVER NEAR WILMOT VALLEY - STATION NO. 01CB004

SUSPENDED SEDIMENT FOR 1985

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	0.648	5	0.28	0.544	4	0.19	0.414	2	0.07	1
2	0.638	5	0.28	0.552	9	0.44	0.412	1	0.04	2
3	0.622	3	0.16	0.502	3	0.13	0.406	1	0.04	3
4	0.608	4	0.21	0.487	3	0.13	0.403	1 S	0.03	4
5	0.803	4	0.21	0.484	3	0.13	0.412	1	0.04	5
6	0.600	3	0.16	0.477	3	0.12	0.399	3 S	0.10	6
7	0.600	3 S	0.16	0.478	4 S	0.17	0.392	4	0.14	7
8	0.599	4 S	0.21	0.480	2	0.08	0.395	5	0.17	8
9	0.588	3	0.15	0.480	2	0.08	0.392	4	0.14	9
10	0.580	3	0.15	0.483	2 S	0.08	0.383	3	0.10	10
11	0.600	4	0.21	0.488	2	0.08	0.418	2	0.07	11
12	0.585	4	0.20	0.478	7 S	0.29	0.396	2	0.07	12
13	0.582	4	0.18	0.474	5	0.20	0.374	2	0.06	13
14	0.569	3 S	0.14	0.476	3	0.12	0.373	2	0.06	14
15	0.550	3	0.14	0.484	3	0.12	0.368	3	0.10	15
16	0.550	4	0.19	0.471	3	0.12	0.385	2	0.06	16
17	0.540	4	0.18	0.466	3	0.12	0.382	2 S	0.06	17
18	0.526	3	0.14	0.433	3	0.11	0.355	1	0.03	18
19	0.526	3	0.14	0.437	2 S	0.08	0.364	2	0.06	19
20	0.531	3	0.14	0.436	1 S	0.04	0.386	2	0.06	20
21	0.519	3	0.13	0.427	4 S	0.15	0.361	1 S	0.03	21
22	0.513	3	0.13	0.413	4	0.14	0.388	1	0.03	22
23	0.519	4	0.18	0.426	3	0.11	0.389	2	0.06	23
24	0.519	4	0.18	0.433	4	0.15	0.392	2	0.06	24
25	0.600	5	0.22	0.423	2	0.07	0.387	2	0.06	25
26	0.509	4 S	0.18	0.417	2	0.07	0.388	2	0.06	26
27	0.528	4	0.18	0.428	2	0.07	0.369	2	0.06	27
28	0.518	4	0.18	0.438	2	0.08	0.375	3	0.08	28
29	0.510	4	0.18	0.421	3	0.11	0.387	2	0.07	29
30	0.519	3	0.13	0.407	3	0.11	0.381	2	0.07	30
31	0.515	2	0.08	0.410	3	0.11				31
TOTAL	17.262		5.43	14.236		4.00	11.457		2.06	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.378	1 S	0.03	0.328	3	0.09	0.285	3	0.07	1
2	0.376	2	0.06	0.332	3	0.08	0.304	4	0.11	2
3	0.373	2	0.06	0.333	3	0.08	0.302	3	0.08	3
4	0.373	2	0.06	0.317	2	0.05	0.278	3	0.07	4
5	0.388	3	0.10	0.318	3	0.08	0.287	2 S	0.05	5
6	0.401	2	0.07	0.355	4	0.12	0.287	2 S	0.04	6
7	0.381	3	0.10	0.615	20	1.05	0.281	2	0.05	7
8	0.379	2	0.07	0.368	4	0.13	0.280	2	0.04	8
9	0.370	3	0.10	0.342	4	0.12	0.280	2	0.04	9
10	0.373	2	0.08	0.335	4	0.11	0.255	2	0.04	10
11	0.447	6	0.23	0.335	3	0.09	0.243	3 S	0.06	11
12	0.413	3 S	0.11	0.309	3	0.08	0.248	3	0.05	12
13	0.398	3	0.07	0.408	22 S	0.78	0.250	4	0.09	13
14	0.385	2 S	0.06	0.384	5	0.17	0.258	4	0.09	14
15	0.392	5	0.17	0.364	3	0.09	0.256	4	0.09	15
16	0.445	3	0.12	0.326	2	0.06	0.258	4	0.08	16
17	0.387	3	0.10	0.367	4 S	0.12	0.251	4	0.08	17
18	0.386	2	0.06	0.414	2	0.11	0.253	4	0.08	18
19	0.383	2	0.06	0.370	3	0.10	0.248	4	0.08	19
20	0.382	2	0.06	0.345	3	0.09	0.242 B	4	0.08	20
21	0.368	2	0.06	0.336	3	0.08	0.240 B	4	0.08	21
22	0.366	2	0.06	0.315	3	0.08	0.238 B	3	0.06	22
23	0.339	1	0.03	0.308	3	0.08	0.236 B	3	0.06	23
24	0.327	2	0.06	0.314	3	0.08	0.251	3	0.07	24
25	0.333	2	0.06	0.298	3	0.08	0.386	21	0.70	25
26	0.342	2	0.06	0.291	3	0.08	2.26	95 S	18.7	26
27	0.344	1	0.03	0.293	3	0.08	0.898	18	1.40	27
28	0.342	1	0.03	0.291	3	0.08	0.417	11	0.40	28
29	0.333	3 S	0.06	0.276	3	0.07	0.334	5	0.14	29
30	0.321	3	0.06	0.269	3	0.07	0.306	4	0.11	30
31	0.332	3	0.08				0.288	4	0.10	31
TOTAL	11.618		2.32	10.233		4.39	11.087		33.24	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

WILMOT RIVER NEAR WILMOT VALLEY - STATION NO. 01CB004

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1985

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	SINGLE SAMPLING VERTICAL (m)	TYPE OF SAMPLER	INSTANT. CONCENT. (mg/L)	DISSOLVED SOLIDS (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	PERCENT SAND	SILT	CLAY
JAN 04	13:05	1.0	0.489	10LB	DH48	4															
JAN 14	14:00	1.0	0.435	10LB	DH48	15															
JAN 29	13:30	0.5	0.369	10LB	DH48	13	167														
FEB 04	13:00		0.413	10LB	DH48	39															
FEB 14	11:00	3.0	0.359	10LB	DH48	6															
FEB 19	11:00	3.0	0.371	10LB	DH48	4															
FEB 20	11:00	3.0	0.338	10LB	DH48	7															
FEB 25	11:10	3.0	0.335	10LB	DH48	1															
MAR 25	11:00	4.0	1.20	10LB	DH48	12	121														
MAR 28	12:45	5.0	0.884	10LB	DH48	21															
MAR 29	14:00	5.0	1.54	10LB	DH48	156															
APR 01	17:00	4.0	1.08	10LB	DH48	11															
APR 02	18:00	5.5	0.980	10LB	DH48	7															
APR 03	16:00	6.5	0.930	10LB	DH48	12															
APR 05	12:00	4.5	1.22	10LB	DH48	12															
APR 06	14:00	5.0	1.02	10LB	DH48	9															
APR 07	18:00	4.5	5.23	10LB	DH48	334															
APR 08	18:00	3.0	1.77	10LB	DH48	43															
APR 09	16:00	3.0	1.43	10LB	DH48	19															
APR 15	14:30	3.5	1.11	10LB	DH48	7															
APR 16	16:00	6.5	1.17	10LB	DH48	18															
APR 21	18:00	6.5	1.01	10LB	DH48	2															
APR 28	14:00	8.5	0.817	10LB	DH48	1	154														
APR 29	11:30	8.0	0.786	10LB	DH48	2															
MAY 01	10:45	7.0	0.786	10LB	DH48	1															
MAY 03	10:40	7.0	0.716	10LB	DH48	1															
MAY 04	19:00		1.06	10LB	DH48	7															
MAY 13	11:45	5.5	1.01	10LB	DH48	6															
MAY 13	20:00	5.5	1.16	10LB	DH48	22															
MAY 18	10:50	10.0	0.908	10LB	DH48	5															
MAY 20	15:00	10.0	0.878	10LB	DH48	3															
MAY 21	12:00	10.0	0.898	10LB	DH48	20															
MAY 22	15:00	10.0	1.76	10LB	DH48	337	137														
MAY 22	19:00	10.0	2.02	10LB	DH48	1080															
MAY 23	08:15	8.5	1.09	10LB	DH48	28															
MAY 28	11:00	8.5	0.868	10LB	DH48	4															
MAY 30	11:00	12.5	1.15	10LB	DH48	2															
JUN 06	18:00	9.0	1.22	10LB	DH48	78															
JUN 07	17:00		1.18	10LB	DH48	21															
JUN 10	11:30		0.829	10LB	DH48	3															
JUN 12	10:30	11.0	0.868	10LB	DH48	5															
JUN 14	11:30	9.0	0.847	10LB	DH48	2															
JUN 17	20:00	10.5	0.888	10LB	DH48	2															
JUN 19	15:00		0.806	10LB	DH48	1															
JUN 22	12:00	14.0	0.435	10LB	DH48	38															
JUN 26	10:00	12.0	0.786	10LB	DH48	5															
JUN 26	13:30	13.5	0.696	10LB	DH48	3															
JUL 07	19:30	16.0	0.595	10LB	DH48	3															
JUL 08	10:30		0.619	10LB	DH48	4															
JUL 14	17:30		0.583	10LB	DH48	3															
JUL 26	09:00	18.5	0.513	10LB	DH48	4															
AUG 07	12:00	15.5	0.478	10LB	DH48	17															
AUG 10	02:45	15.0	0.474	10LB	DH48	1															
AUG 12	20:00	14.0	0.491	10LB	DH48	14															
AUG 19	19:57	14.0	0.435	10LB	DH48	2															
AUG 20	20:05		0.443	10LB	DH48	1															
AUG 21	13:15	15.5	0.435	10LB	DH48	5															
SEP 04	18:00	14.0	0.413	10LB	DH48	1															
SEP 05	17:00	14.0	0.392	10LB	DH48	5															
SEP 17	17:30		0.371	10LB	DH48	2															
SEP 21	16:32		0.371	10LB	DH48	1															
OCT 01	13:30	11.0	0.371	10LB	DH48	2															
OCT 12	10:30	5.0	0.405	10LB	DH48	3															
OCT 14	16:00	5.0	0.384	10LB	DH48	3															
OCT 29	12:00	5.5	0.335	10LB	DH48	2															
NOV 13	13:15	5.0	0.458	10LB	DH48	29															
NOV 17	10:00	4.0	0.455	10LB	DH48	2															
DEC 05	14:45	0.5	0.285	10LB	DH48	2	150														
DEC 06	14:45	0.5	0.261	10LB	DH48	2															
DEC 11	14:20	0.5	0.248	10LB	DH48	3															
DEC 26	13:00	0.0	2.31	10LB	DH48	66															

NOTE - SINGLE VERTICAL LOCATED AT 10LB (ONE QUARTER THE DISTANCE FROM THE LEFT BANK) FOR 1985

PRINCE EDWARD ISLAND

WILMOT RIVER NEAR WILMOT VALLEY - STATION NO. 01CB004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF OPERATION SUMMARY (JFMAMJJASOND)	TYPE OF SAMPLING	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY - JAN-DEC MEAN LOAD (TONNES)	SUMMARY - JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY - JAN-DEC STANDARD ERROR OF MEAN %
1972	EEEEEEEEEEEE	MANUAL	376	APR 30	1	AUG 28 *	433	MAR 16	3 780	10.3	10.3	---
1973	EEEEEEEEEEEE	MANUAL	339	JAN 01	2	JUN 03	323	FEB 03	1 880	5.16	7.73	33.2
1974	EEEEEEEEEEEE	MANUAL	652	MAR 24	3	MAY 24	279	MAR 24	1 600	4.36	6.61	28.1
1975	EEEEEEEEEEEE	MANUAL	197	APR 20	2	SEP 20	185	APR 20	626	1.71	5.39	33.3
1976	EEEEEEEEEEEE	MANUAL	130	AUG 30	6	MAY 11	121	MAR 21	1 150	3.14	4.84	28.6
1977	EEEEEEEEEEEE	MANUAL	48	OCT 21	3	MAY 18	177	APR 06	1 260	3.46	4.89	26.0
1978	EEEEEEEEEEEE	MANUAL	161	JAN 15	1	MAY 30	136	JAN 27	1 010	2.76	4.42	24.1
1979	EEEEEEEEEEEE	MANUAL	643	APR 10	1	MAY 23	345	MAR 15	4 120 *	11.3	5.26	23.9
1980	EEEEEEEEEEEE	MANUAL	358	MAR 18	2	JUN 03	298	APR 05	1 380	3.78	5.11	22.0
1981	EEEEEEEEEEEE	MANUAL	695	OCT 28	2	APR 21	404	FEB 12	1 810	5.22	5.12	19.7
1982	EEEEEEEEEEEE	MANUAL	287	APR 01	2	NOV 18	144	APR 01	736	2.02	4.84	19.7
1983	EEEEEEEEEEEE	MANUAL	854	APR 05	1	NOV 02	538	MAR 20 *	1 950	5.34	4.88	17.8
1984	EEEEEEEEEEEE	MANUAL	1 390	MAR 22 *	1	MAY 31	514	MAR 16	2 420	6.61	5.01	16.2
1985	EEEEEEEEEEEE	MANUAL	1 060	MAY 22	1	FEB 25	157	APR 07	399	1.09	4.73	17.0

MANUAL - MANUAL SAMPLING

E - COMPLETE MONTH

* - EXTREME FOR PERIOD OF RECORD

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01AR005	DENNIS STREAM NEAR ST. STEPHEN	5
01BD001	SOUTHWEST MIRAMICHI RIVER AT BLACKVILLE	18
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KELLEY RIVER (MILL CREEK) AT EIGHT MILE FORD	01DL001	40
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